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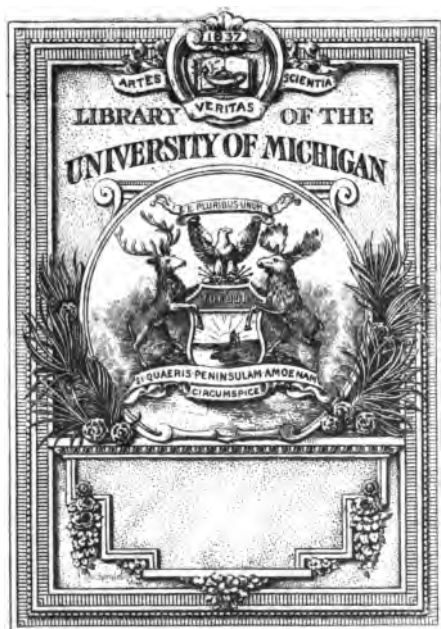
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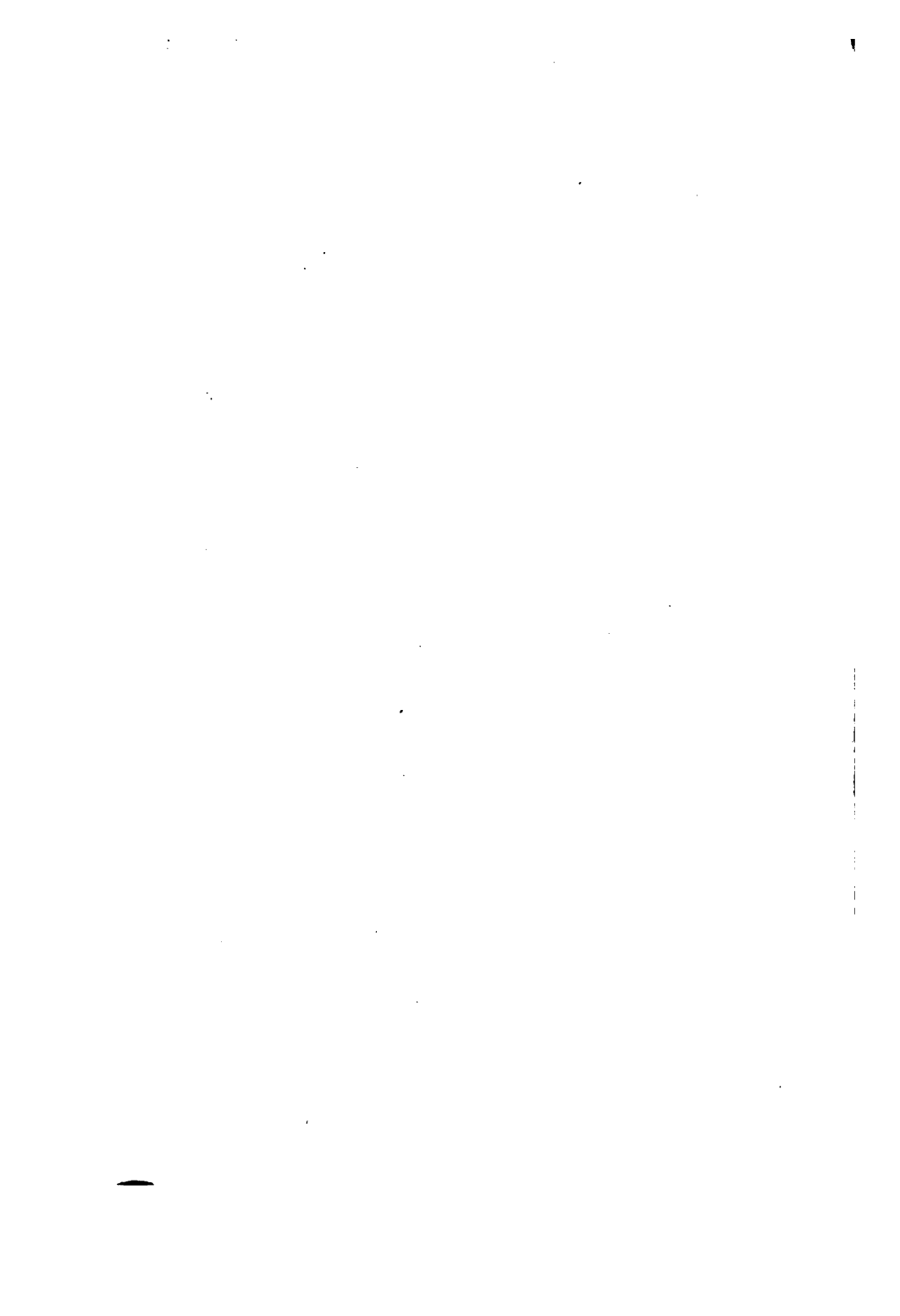
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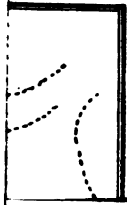
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CATALOGUE  
OF  
DARTMOUTH COLLEGE

TOGETHER WITH THE  
AMOS TUCK SCHOOL OF ADMINISTRATION  
AND FINANCE  
THE THAYER SCHOOL OF CIVIL ENGINEERING  
AND  
THE MEDICAL SCHOOL  
FOR THE YEAR  
1900-1901.

HANOVER, N. H.  
PRINTED FOR THE COLLEGE  
1900

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JOHN WILSON AND SON, CAMBRIDGE, U. S. A.



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# COLLEGE CALENDAR

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## DARTMOUTH COLLEGE

1900

- September 10, 11, 12 Examinations for Admission — Monday to Wednesday.  
September 13 . . . Academic year began — Thursday morning.  
October 16 . . . Athletic Field-day; a holiday.  
November 6 . . . National Election; a holiday.  
November 29 . . . Thanksgiving Day; a holiday.

*Recess from December 19, 10.30 A.M., to January 2, inclusive.*

1901

- Jan'y 24 to Feb'y 2 . First Semester Examinations.  
February 22 . . . Washington's Birthday; a holiday.  
March 13 . . . The Smith and "Class of 1866" Prize Speaking — 8 P.M.

*Recess from April 3, 10 A.M., to April 17, inclusive.*

- June 11 to June 21 . Second Semester Examinations.  
June 20, 21, 22 . . Examinations for Admission.  
June 22 . . . The Rollins Prize Speaking — Saturday, 8 P.M.  
June 23 . . . Baccalaureate Discourse — Sunday, 10.30 A.M.  
Address before the Y. M. C. A. — Sunday, 8 P.M.  
June 24 . . . Class Day Exercises — Monday, 2.30 P.M.  
Promenade Concert in College Yard — 10 P.M.  
June 25 . . . Annual Meeting of the Phi Beta Kappa Society — Tuesday, 8.30 A.M.  
Oration before the Phi Beta Kappa Society — 10.30 A.M.  
Annual Meeting of the Alumni Association — 3 P.M.  
Greek Letter Society Reunions — 5 P.M.  
June 26 . . . COMMENCEMENT — Last Wednesday in June.

*Summer Vacation of Eleven Weeks.*

1901

September 9, 10, 11 Examinations for Admission — Monday to Wednesday.

September 12 . . . Academic year begins — Thursday morning.

December 18 . . . Recess of two weeks begins.

### AMOS TUCK SCHOOL OF ADMINISTRATION AND FINANCE

Calendar same as for Dartmouth College.

### THAYER SCHOOL OF CIVIL ENGINEERING

1900

August 1 . . . . . Year of thirty-eight weeks for second class began.

September 15 . . . Year of thirty-three weeks for first class began.

December 24 . . . Recess of eight days begins.

1901

May 1 . . . . . Year for first class ends.

*Summer Vacation for second class begins.*

### MEDICAL SCHOOL

1900

July 17 . . . . . Medical Lectures began.

September 13 . . . First Year Course began.

*Recess from December 19, 10.30 A.M., to January 2, inclusive*

1901

February 25, 26 . . Examinations — Monday and Tuesday.

February 26 . . . Anniversary Graduating Exercises — Tuesday.

*Annual Vacation of Twenty Weeks.*

July 16 . . . . . Medical Lectures begin.

September 12 . . . First Year Course begins.

## CHARTER



THE  
CHARTER OF DARTMOUTH COLLEGE

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GEORGE THE THIRD by the grace of GOD of Great Britain  
France and Ireland KING Defender of the Faith, and so  
forth. —

**To all to whom these Presents shall come.**

GREETING.

WHEREAS it hath been represented to our Trusty and well beloved JOHN WENTWORTH Esquire Governor and Commander in Chief in and over our Province of NEW HAMPSHIRE in New England in AMERICA, that the Reverend ELEAZER WHELOCK of Lebanon in the Colony of Connecticut in New England aforesaid, now Doctor in Divinity, did on or about the year of our Lord one thousand seven hundred and Fifty four, at his own expence, on his own Estate and Plantation set on foot an INDIAN Charity School and for several years through the assistance of well-disposed Persons in America, cloathed, maintained and educated a number of the Children of the Indian Natives, with a view to their carrying the Gospel in their own Language and spreading the knowledge of the great Redeemer among their Savage Tribes, and hath actually employ'd a number of them as Missionaries and Schoolmasters in the Wilderness for that purpose: and by the blessing of GOD upon the endeavours of said Wheelock the design became reputable among the Indians insomuch that a larger number desired the Education of their Children in said School; and were also disposed to receive Missionaries and Schoolmasters in the Wilderness more than could be supported by the charitable Contributions in these American Colonies. — WHEREUPON the said Eleazer Wheelock thought it expedient that endeavours should be used to raise Contributions from well disposed Persons in England for the carrying on and extending said undertaking, And for that purpose said Eleazer Wheelock requested the Reverend Nathaniel

Whitaker now Doctor in Divinity to go over to England for that purpose, and sent over with him the Reverend Samson Occom an Indian Minister who had been educated by the said Wheelock, And to enable the said Whitaker to the more successful performance of said Work on which he was sent, said Wheelock gave him a full Power of Attorney by which said Whitaker solicited those worthy & generous Contributors to the Charity viz<sup>t</sup>. The Right Honorable WILLIAM Earl of DARTMOUTH, The Honorable Sir SIDNEY STAFFORD SMYTHE Knight, one of the Barons of his Majesty's Court of Exchequer, JOHN THORNTON of Clapham in the County of Surrey Esquire, SAMUEL ROFFEY of Lincoln's Inn fields in the County of Middlesex Esquire, CHARLES HARDY of the parish of Saint Mary-le-bonne in said County Esquire, DANIEL WEST of Christ's church Spitalfields in the County aforesaid Esquire, SAMUEL SAVAGE of the same place Gentleman, JOSIAH ROBERTS of the parish of Saint Edmund the King Lombard Street, London Gentleman, and ROBERT KEEN of the parish of Saint Botolph Aldgate London, Gentleman, to receive the several Sums of Money which should be contributed, and to be Trustees for the Contributors to such Charity, which they chearfully agreed to. Whereupon the said Whitaker did by virtue of said Power of Attorney constitute and appoint the said Earl of Dartmouth Sir Sydney Stafford Smythe, John Thornton, Samuel Roffey, Charles Hardy & Daniel West Esquires, and Samuel Savage Josiah Roberts and Robert Keen Gentlemen to be Trustees of the Money which had then been contributed, and which should by his means be contributed for said Purpose; which Trust they have accepted as by their engrossed Declaration of the same under their Hands and Seals well executed fully appears, and the same has also been ratified by a deed of Trust well executed by the said Wheelock;— And the said Wheelock further represents that he has by power of Attorney for many weighty reasons, given full Power to the said Trustees to fix upon and determine the place for said School most subservient to the great end in view, and to enable them understandingly to give the preference, the said Wheelock has laid before the said Trustees the several Offers which have been generously made in the several Governments in America to encourage and invite the settlement of said School among them for their own private emolument, and the increase of Learning in their respective places as well as for the furtherance of the general design in view. And whereas a large number of the Proprietors of Lands in the western part of this our Province of New Hampshire.



animated & excited thereto by the generous example of his Excellency their Governor, and by the liberal Contributions of many Noblemen and Gentlemen in England; and especially by the consideration that such a situation would be as convenient as any for carrying on the great design among the Indians; and also considering that without the least impediment to the said design the same School may be enlarged & improved to promote Learning among the English, & be a means to supply a great number of Churches & Congregations which are likely soon to be formed in that new Country with a learned & orthodox ministry; they the said Proprietors have promised large Tracts of Land for the uses aforesaid, provided the School shall be settled in the western part of our said Province. And they the said Right Honorable, Honorable and worthy Trustees before mentioned having maturely consider'd the reasons & arguments in favour of the several Places proposed, have given the preference to the western part of our said Province lying on Connecticut River, as a situation most convenient for said School; And the said Wheelock has further represented a necessity of a legal Incorporation in order to the safety and well being of said Seminary, and its being capable of the tenure & disposal of Lands & bequests for the use of the same. And the said Wheelock has also represented that for many weighty reasons it will be expedient at least in the infancy of said Institution or 'till it can be accommodated in that new Country and he & his Friends be able to remove and settle by and round about it, that the Gentlemen whom he has already nominated in his last Will (which he has transmitted to the aforesaid Gentlemen of the Trust in England) to be Trustees in America should be of the Corporation now proposed & also as there are already large Collections for said School in the hands of the aforesaid Gentlemen of the Trust in England and all reason to believe from their singular wisdom, piety and zeal to promote the Redeemers cause (which has already procured for them the utmost confidence of the Kingdom) we may expect they will appoint Successors in time to come who will be men of the same Spirit whereby great good may & will accrue many ways to the institution & much be done by their example and influence to encourage and facilitate the whole design in view; for which reason said Wheelock desires that the Trustees aforesaid may be vested with all that power therein which can consist with their distance from the same **KNOW YE THEREFORE**, that We considering the Premises and being willing to encourage the laudable & charitable design of spreading Christian

Knowledge among the Savages of our American Wilderness and also that the best means of Education be established in our Province of New Hampshire for the benefit of said Province, DO of our special grace certain knowledge and mere motion by and with the advice of our Council for said Province by these Presents Will, ordain, grant & constitute that there be a College erected in our said Province of New Hampshire by the name of DARTMOUTH COLLEGE for the education & instruction of Youth of the Indian Tribes in this Land in reading, writing & all parts of Learning which shall appear necessary and expedient for civilizing & christianizing Children of Pagans as well as in all liberal Arts and Sciences; and also of English Youth and any others, and the Trustees of said College may and shall be one body corporate and politick in deed action & name, and shall be called, named & distinguish'd by the Name of the TRUSTEES of DARTMOUTH COLLEGE And further we have willed given granted constituted and ordained and by this our present Charter of our special grace certain knowledge & mere motion with the advice aforesaid DO for us our heirs and successors forever will give grant constitute & ordain that there shall be in the said DARTMOUTH COLLEGE from henceforth and forever a body politick consisting of Trustees of said Dartmouth College And for the more full & perfect erection of said Corporation & body politick consisting of Trustees of Dartmouth College We of our special grace certain knowledge & mere motion Do by these Presents for us our Heirs & Successors make ordain constitute and appoint our trusty and well beloved JOHN WENTWORTH, Esquire Governor of our said Province and the GOVERNOR of our said Province of New Hampshire for the time being and our Trusty and well beloved THEODORE ATKINSON Esquire now President of our Council of our said Province GEORGE JAFFREY & DANIEL PIERCE Esquires both of our said Council and PETER GILMAN Esquire now Speaker of our House of Representatives in said Province & WILLIAM PITKIN, Esquire one of the Assistants of our Colony of Connecticut & our said trusty and well beloved ELEAZER WHELOCK of Lebanon Doctor in Divinity, BENJAMIN POMROY of Hebron JAMES LOCKWOOD of Weathersfield TIMOTHY PITKIN & JOHN SMALLEY of Farmington & WILLIAM PATTEN of Hartford all of our said Colony of Connecticut Ministers of the Gospel. (the whole number of said Trustees consisting and hereafter forever to consist of TWELVE & no more) to be Trustees of said Dartmouth College in this our Province of New Hampshire And we do further of our special grace certain knowl-

edge and mere motion for us our Heirs and Successors will give grant and appoint that the said Trustees & their Successors shall forever hereafter be in deed act & name, a body corporate & politick & that they the said body corporate & politick shall be known & distinguished in all deeds grants bargains sales writings evidences or otherwise howsoever, & in all Courts forever hereafter plead and be impleaded by the Name of the Trustees of Dartmouth College and that the said Corporation by the name aforesaid shall be able and in law capable for the use of said Dartmouth College to have get acquire purchase receive hold possess and enjoy tenements hereditaments jurisdictions and franchizes for themselves and their Successors in fee simple or otherwise howsoever & to purchase receive or build any House or Houses or any other buildings as they shall think needful & convenient for the use of said Dartmouth College and in such Town in the western part of our said Province of New Hampshire as shall by said Trustees or the major part of them be agreed on their said agreement to be evidenced by an instrument in writing under their hands ascertaining the same And also to receive and dispose of any Lands goods chattels and other things of what nature soever for the use aforesaid And also to have accept and receive any rents profits annuities gifts legacies donations or bequests of any kind whatsoever for the use aforesaid so nevertheless that the yearly value of the Premises do not exceed the Sum of six thousand pounds Sterling<sup>1</sup> and therewith or otherwise to support and pay as the said Trustees or the major part of such of them as are regularly convened for that purpose shall agree the President Tutors and other Officers & Ministers of said Dartmouth College & also to pay all such Missionaries and Schoolmasters as shall be authorized appointed & employed by them for civilizing & christianizing & instructing the Indian Natives of this Land their several allowances & also their respective annual Salaries or allowances & all such necessary & contingent charges as from time to time shall arise & accrue relating to the said Dartmouth College And also to bargain sell let or assign Lands tenements or hereditaments goods, or chattels & all other things whatsoever by the name aforesaid in as full and ample a manner to all intents and purposes as a natural person or other body politick or corporate is able to do by the laws of our realm of Great Britain or of said province of New Hampshire And further of our special grace certain knowledge & mere motion to the intent that our said Corporation & body politick

<sup>1</sup> Subsequently amended so as to remove all limitations.

may answer the end of their erection & Constitution, & may have perpetual succession & continuance forever We do for us our heirs and Successors will give & grant unto the Trustees of Dartmouth College & to their Successors forever that there shall be once a year & every year a meeting of said Trustees held at said Dartmouth College at such time as by said Trustees or the major part of them at any legal meeting of said Trustees shall be agreed on the first meeting to be called by the said Eleazer Wheelock as soon as conveniently may be within one year next after the enrollment of these our Letters Patent at such time & place as he shall judge proper And the said Trustees or the major part of any seven or more of them shall then determine on the time for holding the annual Meeting aforesaid which may be alter'd as they shall hereafter find most convenient And we further order and direct that the said Eleazer Wheelock shall notify the time for holding said first meeting to be called as aforesaid by sending a letter to each of said Trustees & causing an advertizement thereof to be printed in the New Hampshire Gazette & in some publick News Paper printed in the Colony of Connecticut But in case of the Death or incapacity of the said Wheelock then such meeting to be notified in manner aforesaid by the Governor or Commander in Chief of our said Province for the time being And we do also for us our Heirs & successors hereby will give and grant unto the said Trustees of Dartmouth College aforesaid & to their Successors forever that when any seven or more of the said Trustees or their Successors are convened & met together for the service of said Dartmouth College at any time or times such seven or more shall be capable to act as fully & amply to all intents & purposes as if all the Trustees of said College were personally present— & all affairs & actions whatsoever under the care of the said Trustees shall be determined by the majority or greater number of those seven or more Trustees so convened & met together And we do further will ordain & direct that the President Trustees, Professors & Tutors & all such Officers as shall be appointed for the publick instruction & government of said College shall before they undertake the execution of their Offices or Trusts or within one year after take the Oaths & subscribe the declaration provided by an act of Parliament made in the first year of King George the first entitled “An act for the further security of his Majesty's Person & government & the succession of the Crown in the heirs of the late princess Sophia being Protestants, & for the extinguishing the hopes of the pretended Prince of Wales & his open & secret Abettors,” that is to say the President before the Governor of our

said Province for the time being or by one by him impowered to that service or by the President of our said Council & the Trustees Professors Tutors & other Officers before the President of said College for the time being who is hereby impower'd to administer the same an entry of all which shall be made in the Records of said College And we do for us our heirs & Successors hereby will give & grant full Power & Authority to the President hereafter by us named & to his Successors or in case of his failure to any three or more of the said Trustees to appoint other occasional meetings from time to time of the said seven Trustees or any greater number of them to transact any matter or thing necessary to be done before the next annual meeting and to order notice to the said seven or any greater number of them of the times & places of meeting for the service aforesaid by a letter under his or their hands of the same one month<sup>1</sup> before said meeting Provided always that no standing Rule or order be made or altered for the regulation of said College nor any President or Professor be chosen or displaced nor any other matter or thing transacted or done which shall continue in force after the then next annual meeting of said Trustees as aforesaid And further we do by these Presents for us our Heirs and Successors, create make constitute nominate & appoint our Trusty and well beloved ELEAZER WHEELOCK Doctor in Divinity the FOUNDER of said College to be PRESIDENT of said DARTMOUTH COLLEGE and to have the immediate care of Education & government of such Students as shall be admitted into said DARTMOUTH COLLEGE for instruction & education and do will give & grant to him in said Office full power authority & right to nominate appoint constitute & ordain by his last will such suitable & meet person or Persons as he shall chuse to succeed him in the Presidency of said Dartmouth College & the person so appointed by his last Will to continue in Office vested with all the powers priviledges Jurisdiction & authority of a President of said Dartmouth College that is to say so long and untill such appointment by said last Will shall be disapproved by the Trustees of said Dartmouth College And we do also for us our heirs and Successors will give & grant to the said Trustees of said Dartmouth College & to their Successors forever or any seven or more of them convened as aforesaid that in the case of the ceasing or failure of a President by any means whatsoever that the said Trustees do elect nominate & appoint SUCH qualified person as they or the major part of any seven or more of them convened for that purpose as

<sup>1</sup> Amended so that a legal meeting may be held at such time and upon such notice as may be prescribed by the rules of the Trustees.

above directed shall think fit to be PRESIDENT of said DARTMOUTH COLLEGE and to have the care of the Education & government of the Students as aforesaid & in case of the ceasing of a President as aforesaid the Senior Professor or Tutor being one of the Trustees shall exercise the Office of a President untill the Trustees shall make choice of & appoint a President as aforesaid & such Professor or Tutor or any three or more of the Trustees shall immediately appoint a meeting of the body of the Trustees for the purpose aforesaid AND also we do will give and grant to the said Trustees convened as aforesaid that they elect nominate & appoint so many Tutors and Professors to assist the President in the Education & government of the Students belonging thereto as they the said Trustees shall from time to time & at any time think needful & serviceable to the interests of said Dartmouth College And also that the said Trustees or their Successors or the major part of any seven or more of them convened for that purpose as above directed shall at any time displace & discharge from the service of said Dartmouth College any or all such Officers & elect others in their room & stead as before directed And also that the said Trustees or their successors or the major part of any seven of them which shall convene for that purpose as above directed do from time to time as occasion shall require elect constitute & appoint a TREASURER a CLERK an USHER & a Steward for the said DARTMOUTH COLLEGE & appoint to them & each of them their respective businesses & trusts & displace & discharge from the service of said College such Treasurer Clerk Usher or Steward & to elect others in their room & stead which Officers so elected as before directed We do for us our heirs & successors by these Presents constitute & establish in their respective Offices & do give to each & every of them full power & Authority to exercise the same in said Dartmouth College according to the directions & during the pleasure of the said Trustees as fully & freely as any like Officers in any of our Universities Colleges or Seminaries of learning in our Realm of Great Britain lawfully may or ought to do, & also that the said Trustees & their Successors or the major part of any seven or more of them which shall convene for that purpose as is above directed as often as one or more of said Trustees shall die or by removal or otherwise shall according to their judgement become unfit or incapable to serve the interests of said College do as soon as may be after the Death removal or such unfitness or incapacity of such Trustee or Trustees elect & appoint such Trustee or Trustees as shall supply the place of him or them so dying or becoming incapable to serve the

interests of said College & every Trustee so elected & appointed shall by virtue of these presents & such election & appointment be vested with all the Powers & privileges which any of the other Trustees of said College are hereby vested with And we do further Will ordain & direct that from & after the expiration of Two years from the enrollment of these Presents such vacancy or vacancies as may or shall happen by death or otherwise in the aforesaid number of Trustees shall be filled up by election as aforesaid so that when such vacancies shall be filled up unto the complete number of TWELVE Trustees Eight<sup>1</sup> of the aforesaid whole number of the body of Trustees shall be resident and respectable Freeholders of our said Province of New Hampshire & seven of said whole number shall be Laymen And we do further of our special grace certain knowledge and mere motion will give and grant unto the said Trustees of Dartmouth College that they and their Successors or the major part of any seven of them which shall convene for that purpose as is above directed may make & they are hereby fully empowered from time to time fully & lawfully to make and establish such Ordinances Orders & Laws as may tend to the good & wholesome government of the said College & all the Students & the several Officers & Ministers thereof & to the publick benefit of the same not repugnant to the Laws & Statutes of our Realm of GREAT BRITAIN or of this our Province of NEW HAMPSHIRE and not excluding any Person of any religious denomination whatsoever from free & equal liberty & advantage of Education or from any of the liberties and privileges or immunities of the said College on account of his or their speculative sentiments in Religion, & of his or their being of a religious profession different from the said Trustees of the said Dartmouth College And such Ordinances orders & Laws which shall as aforesaid be made We do by these presents for us our heirs & Successors ratify allow of, & confirm as good & effectual to oblige & bind all the Students & the several Officers & Ministers of the said College And we do hereby authorize & empower the said Trustees of Dartmouth College & the President Tutors & Professors by them elected & appointed as aforesaid to put such ordinances laws and orders in execution to all proper intents and purposes And we do further of our special grace certain knowledge & mere motion Will give & grant unto the said Trustees of said Dartmouth College for the encouragement of Learning and animating the Students of said College to diligence & industry & a laudable progress in Literature that they & their

<sup>1</sup> Subsequently amended so as to read seven.

Successors or the major part of any seven or more of them convened for that purpose as above directed do by the President of said College for the time being or any other deputed by them give & grant any such degree or degrees to any of the Students of the said College or any others by them thought worthy thereof as are usually granted in either of the Universities or any other College in our Realm of Great Britain & that they sign & seal Diplomas or certificates of such Graduations to be kept by the Graduates as perpetual memorials & testimonials thereof. AND we do further of our special grace certain knowledge & mere motion for us our heirs & Successors by these Presents give & grant unto the Trustees of said Dartmouth College & to their Successors that they & their Successors shall have a common SEAL under which they may pass all Diplomas or Certificates of degrees & all other affairs & business of & concerning the said College which shall be engraven in such a form and with such an inscription as shall be devised by the said Trustees for the time being or by the major part of any seven or more of them convened for the service of the said College as is above directed And we do further for us our heirs & Successors give and grant unto the said Trustees of the said Dartmouth College & their Successors or to the major part of any seven or more of them convened for the service of the said College full power & Authority from time to time to nominate & appoint all other Officers & Ministers which they shall think convenient & necessary for the service of the said College not herein particularly named or mention'd which Officers & Ministers we do hereby impower to execute their Offices & Trusts as fully & freely as any of the Officers & Ministers in our Universities or Colleges in our REALM of GREAT BRITAIN lawfully may or ought to do. AND further that the generous Contributors to the support of this design of spreading the knowledge of the only true God and Saviour among the American Savages may from time to time be satisfied that their liberalities are faithfully disposed of in the best manner for that purpose & that others may in future time be encouraged in the exercise of the like liberality for promoting the same pious design it shall be the duty of the President of the said Dartmouth College & of his Successors annually or as often as he shall be thereunto desired or required to transmit to the Right honorable, honorable & worthy Gentlemen of the Trust in England before mentioned a faithful account of the improvement & disbursements of the several Sums he shall receive from the Donations & bequests made in England through the hands of said Trustees & also advise them of the general plans



laid and prospects exhibited as well as a faithful account of all remarkable occurrences in order if they shall think expedient that they may be published And this to continue so long as they shall perpetuate their board of Trust & there shall be any of the Indian Natives remaining to be proper Objects of that Charity AND lastly our express Will & pleasure is and we do by these presents for us our heirs and Successors give & grant unto the said Trustees of Dartmouth College & to their Successors forever that these our Letters Patent or the enrollment thereof in the SECRETARY'S Office of our Province of New Hampshire aforesaid shall be good & effectual in the Law to all intents & purposes against us our heirs and Successors without any other License Grant or Confirmation from us our heirs & successors hereafter by the said Trustees to be had & obtained notwithstanding the not writing or misrecital not naming or misnaming the aforesaid Offices Franchises Priviledges Immunities or other the Premises or any of them and notwithstanding a writ of Ad quod Damnum hath not issued forth to enquire of the Premises or any of them before the ensealing hereof any Statute Act Ordinance or Provision or any other matter or thing to the contrary notwithstanding TO HAVE AND TO HOLD ALL & singular the Privileges Advantages Liberties Immunities and all other the Premises herein & hereby granted & given or which are meant mentioned or intended to be herein & hereby given and granted unto them the said TRUSTEES of DARTMOUTH COLLEGE and to their Successors forever. IN TESTIMONY whereof We have caused these our Letters to be made Patent and the publick Seal of our said Province of NEW HAMPSHIRE to be hereunto affixed WITNESS our Trusty and well beloved JOHN WENTWORTH Esquire Governor and Commander in Chief in and over our said Province &c<sup>a</sup>. this THIRTEENTH day of December in the Tenth year of our Reign and in the year of our Lord one thousand seven hundred and Sixty nine.

By his Excellency's Command }  
with advice of Council }

THEODORE ATKINSON, Sec'y

Province of New Hampshire Decemb<sup>r</sup> 18<sup>th</sup> 1769.

Recorded in the book of Charters

Lib: 4<sup>o</sup> Fol. 22 to 23 both inclusive.

Per

THEODORE ATKINSON, SEC'Y

JOHN WENTWORTH.

## HISTORICAL NOTE

DARTMOUTH COLLEGE is the outgrowth of a school which the Reverend Eleazer Wheelock opened in his home at Lebanon, Conn., December 18, 1754, for the Christian education of Indian youth. The school was known as Moor's Indian Charity School, so named from Joshua Moor, who contributed a house and two acres of land.

Funds for the maintenance of the school were received from various sources, — from private individuals, from the General Courts of Massachusetts Bay and of New Hampshire, and from Great Britain, where the enterprise had awakened the deepest interest. From the latter source an endowment was secured, chiefly through the efforts of Samsom Occom, the Indian preacher, one of Dr. Wheelock's students, who was commissioned to make a tour of England and Scotland for this purpose in 1765. The sum of ten thousand pounds was thus raised, and committed to the charge of a board of trustees with the Earl of Dartmouth at its head. As the result of this endowment it was determined by Dr. Wheelock to enlarge the purpose of the school especially to reach "a greater proportion of English youth," and to change its location. Various proposals for a site were made, but after careful investigation the site chosen was the township of Hanover, in the region of Cowas or Coös, in the province of New Hampshire. Apart from the nearness of this site to the Canadian Indians, the determining reason for the choice seems to have been the attractiveness of the location, and the fact that it was the natural center of "more than two hundred towns, chartered, settled, or about to be settled." Removal to the Province of New Hampshire also gave the assurance of a charter, which it had thus far been difficult to obtain.

The draft of the charter prepared by Dr. Wheelock received important modifications from the Governor of the Province, John Wentworth. In particular he rejected the suggestion of a coördinate board of trustees in Great Britain; he gave to the college the name of Lord Dartmouth, its most active patron in Great Britain, although Wheelock had proposed to the Governor to call it by the name of Wentworth; and instead of incorporating it as a "school" or "academy," he

adopted a hint from Wheelock's postscript and made it a "college." The first board of trustees consisted of the Governor with three of his council, the speaker of the New Hampshire House of Representatives, one member of the Connecticut Colonial government, and six Connecticut clergymen selected by Dr. Wheelock.

Dr. Wheelock was elected president of the college, with Mr. Beza-leel Woodward, a graduate of Yale in 1764, as his associate. The first class of four students was graduated in 1771, the Commencement being attended by the Governor of the Province of New Hampshire and a company of gentlemen from Portsmouth, who made their way in part through almost trackless forests.

Two events in the early history of the college materially affected its character and growth. First, the gradual withdrawal of the support of its patrons in Great Britain, whose interest lay chiefly in the education of Indians; second, the lawsuit between the college and the state of New Hampshire for the control of the college, which resulted in a final decision by the Supreme Court of the United States in favor of the Trustees of Dartmouth College. The decision in "The Dartmouth College Case" was rendered in February, 1819. Since the reestablishment of the college by this decision, its history has followed the general course of educational progress in New England.

Other institutions have from time to time been associated with or incorporated into the college.

Moor's Indian Charity School was made an independent institution when the college was founded. The school was maintained as late as 1849. It still has a legal existence with the title — "The President of Moor's Charity School." The trustees are the same in person with those of the college, though forming a separate corporation.

The Dartmouth Medical School dates from the establishment in 1798 of a professorship of medicine in the college, first filled by Dr. Nathan Smith, who was instrumental in its establishment. The school is under the general control of the Trustees of Dartmouth College, by which body degrees are conferred, but the management of its affairs is committed to the Medical Faculty. Associated with the Medical College is the Mary Hitchcock Hospital (1893), the memorial gift of Hiram Hitchcock, Esq., of Hanover.

The Chandler School of Science and the Arts, established in 1851 by a resolution of the trustees, in acceptance of a sum bequeathed to them in trust by Abiel Chandler, Esq., "for the establishment and support of a permanent department or school of instruction in the col-

lege, in the practical and useful arts of life," was more formally incorporated into the College by the joint action of the Trustees of the College and the Visitors of the Chandler School in 1893, and is now known as the Chandler Scientific Course in the College, leading to the degree of B.S.

The Thayer School of Civil Engineering, established in 1867 by the bequest of General Sylvanus Thayer, Class of 1807, is essentially a graduate school, covering a course of two years, and conferring the degree of Civil Engineer. The funds of the School are in charge of the Trustees of the College; otherwise its affairs are managed by a board of overseers, which is a close corporation.

The Amos Tuck School of Administration and Finance, established in 1900 by Mr. Edward Tuck, Class of 1862, as a memorial to his father, Honorable Amos Tuck, Class of 1835, a Trustee of the College, 1857 to 1866, is also a graduate school covering a course of two years. It is the object of the School to train college graduates who desire to engage in affairs rather than to enter the professions. The School is administered by the Trustees of the College.

The presidency of the college has been held as follows:

Eleazer Wheelock, 1769-1779.	Bennett Tyler, 1821-1828.
John Wheelock, 1779-1815.	Nathan Lord, 1828-1863.
Francis Brown, 1815-1820.	Asa Dodge Smith, 1863-1877.
Daniel Dana, 1820-1821.	Samuel Colcord Bartlett, 1877-1892.
William Jewett Tucker, 1893-	

## REGISTER



## TRUSTEES OF DARTMOUTH COLLEGE

### AND OF MOOR'S CHARITY SCHOOL

WILLIAM JEWETT TUCKER, D.D., LL.D., PRESIDENT.

HIS EXCELLENCY FRANK WEST ROLLINS, A.M. (*ex officio*),  
*Concord, N. H.*

HENRY FAIRBANKS, PH.D. . . . . *St. Johnsbury, Vt.*

WILLIAM MARTIN CHASE, LL.D. . . . *Concord, N. H.*

JAMES BAILEY RICHARDSON, LL.D. . . *Boston, Mass.*

CYRUS RICHARDSON, D.D. . . . . *Nashua, N. H.*

FRANK SHERMAN STREETER, A.B. . . *Concord, N. H.*

CHARLES FREDERICK MATHEWSON, LL.B.  
*New York, N. Y.*

EDWARD DANA REDINGTON, A.M. . . . *Chicago, Ill.*

BENJAMIN AMES KIMBALL, B.S. . . . *Concord, N. H.*

CECIL FRANKLIN PATCH BANCROFT, PH.D., LL.D.  
*Andover, Mass.*

JOHN ROBIE EASTMAN, PH.D. . . . . *Andover, N. H.*

### TREASURER

CHARLES PARKER CHASE, A.M. . . . . *Hanover, N. H.*

### *EX OFFICIO* TRUSTEES OF THE COLLEGE IN RELATION TO FUNDS GIVEN BY THE STATE OF NEW HAMPSHIRE.

### COUNCILLORS

HON. SUMNER WALLACE . . . . . *Rochester*

HON. STEPHEN H. GALE . . . . . *Exeter*

HON. GEORGE F. HAMMOND . . . . . *Nashua*

HON. HARRY M. CHENEY . . . . . *Lebanon*

HON. HENRY F. GREEN . . . . . *Littleton*

## THE PRESIDENT OF THE SENATE

HON. CHESTER B. JORDAN, A.M. . . . . *Lancaster*

## THE SPEAKER OF THE HOUSE OF REPRESENTATIVES

HON. FRANK D. CURRIER . . . . . *Canaan*

## THE CHIEF JUSTICE OF THE SUPREME COURT

HON. ISAAC N. BLODGETT, LL.D. . . . . *Franklin*STANDING COMMITTEES OF THE TRUSTEES FOR  
THE YEAR 1900-1901

## COMMITTEE ON FINANCE,

Messrs. J. B. Richardson, Kimball, Mathewson, Chase.

## ON INSTRUCTION,

Messrs. Bancroft, Fairbanks, Chase, C. Richardson, Eastman.

## ON EQUIPMENT,

Messrs. Fairbanks, Redington, Eastman.

## ON BUILDINGS AND IMPROVEMENTS,

Messrs. Streeter, J. B. Richardson, Kimball, Mathewson.

## ON DEGREES,

Messrs. Chase, Bancroft, C. Richardson.

## ON RELATION OF COLLEGE TO STATE,

Messrs. Kimball, C. Richardson, Streeter.

## ON RELATION OF COLLEGE TO ALUMNI,

Messrs. J. B. Richardson, Fairbanks, Redington.

## ON LEGAL MATTERS,

Messrs. Chase, J. B. Richardson, Streeter.

The President of the College is a member *ex officio* of the Committee on Finance, on Instruction, on Equipment, on Buildings and Improvements, and on Degrees.



VISITORS ON THE CHANDLER FOUNDATION

JOHN HOPKINS, B.S. . . . . *Millbury, Mass.*

DAVID HERBERT ANDREWS, B.S. *Newton Centre, Mass.*

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OVERSEERS OF THE THAYER SCHOOL OF  
CIVIL ENGINEERING

THE PRESIDENT OF DARTMOUTH COLLEGE.

GEN. JOHN CARVER PALFREY . . . . . *Boston, Mass.*

PETER SMITH MICHIE, PH.D. . . . . *West Point, N. Y.*

GEN. HENRY LARCOM ABBOT, LL.D. . *Cambridge, Mass.*

JONATHAN PARKER SNOW, C.E. . . . . *Boston, Mass.*

## OFFICERS OF ADMINISTRATION AND INSTRUCTION<sup>1</sup>

---

- WILLIAM JEWETT TUCKER, D.D., LL.D., *President.*  
43 College St.
- JOHN ORDRONAU, M.D., LL.D., *Professor of Medical Juris-  
prudence.*  
Roslyn, N. Y.
- CHARLES HENRY HITCHCOCK, PH.D., LL.D., *Hall Pro-  
fessor of Geology and Mineralogy.*  
15 E. Wheelock St.
- GRANVILLE PRIEST CONN, A.M., M.D., *Professor of Hy-  
giene.*  
Concord, N. H.
- HENRY MARTYN FIELD, A.M., M.D., *Professor Emeritus of  
Therapeutics.*  
Pasadena, Cal.
- PHINEAS SANBORN CONNER, M.D., LL.D., *Professor of  
Surgery.*  
215 W. 9th St., Cincinnati, O.
- EDWARD COWLES, M.D., LL.D., *Professor of Mental Diseases.*  
Waverly, Mass.
- WILLIAM THAYER SMITH, M.D., LL.D., *Professor of Physi-  
ology and Dean of the Medical Faculty.*  
9 School St.
- GEORGE PUTNAM HUNTINGTON, D.D., *Instructor in  
Hebrew.*  
19 S. Main St.
- GABRIEL CAMPBELL, M.Pd., D.D., *Stone Professor of Intel-  
lectual and Moral Philosophy.*  
29 N. Main St.
- PAUL FORTUNATUS MUNDE, M.D., LL.D., *Professor of  
Gynecology.*  
20 W. 45th St., New York, N. Y.
- ROBERT FLETCHER, PH.D., *Professor of Civil Engineering  
and Director of the Thayer School.*  
42 College St.

<sup>1</sup> Arranged, with the exception of the President, according to College Seniority.

- CHARLES FRANKLIN EMERSON, A.M., *Dean of the Academic Faculty.* 33 College St.
- JOHN KING LORD, PH.D., *Daniel Webster Professor of the Latin Language and Literature.* 37 College St.
- DAVID WEBSTER, M.D., *Professor of Ophthalmology.*  
327 Madison Ave., New York, N. Y.
- WILLIAM HENRY PARISH, M.D., *Professor of Obstetrics.*  
1435 Spruce St., Philadelphia, Penn.
- FRANK ASBURY SHERMAN, M.S., *Professor of Mathematics on the Chandler Foundation.* 37 N. Main St.
- CHARLES FRANCIS RICHARDSON, PH.D., *Winkley Professor of the English Language and Literature.* 6 School St.  
(On leave of absence for one year.)
- MARVIN DAVIS BISBEE, B.D., *Professor of Bibliography and Librarian.* 11 W. Wheelock St.  
(On leave of absence for one year.)
- THOMAS WILSON DORR WORTHEN, A.M., *Cheney Professor of Mathematics.* 11 Webster Ave.
- EDWIN JULIUS BARTLETT, A.M., M.D., *New Hampshire Professor of Chemistry.* 8 W. Wheelock St.
- JAMES FAIRBANKS COLBY, A.M., LL.B., *Parker Professor of Law and Political Science.* 2 Elm St.
- GEORGE ADAMS LELAND, A.M., M.D., *Professor of Laryngology.* 669 Boylston St., Boston, Mass.
- JOHN VOSE HAZEN, C.E., *Woodman Professor of Civil Engineering and Graphics on the Chandler Foundation.*  
33 N. Main St.
- CHARLES DARWIN ADAMS, PH.D., *Lawrence Professor of the Greek Language and Literature.* 1 N. Park St.
- JUSTIN HARVEY SMITH, A.M., *Professor of Modern History.*  
The Wheelock.
- DAVID COLLIN WELLS, A.B., *Professor of Sociology.*  
20 N. Main St.
- TILGHMAN MINNOUR BALLIET, A.M., M.D., *Professor of Therapeutics.* 3709 Powelton Ave., Philadelphia, Penn.

ROBERT LONGLEY TAYLOR, PH.D., *Assistant Professor of French.*  
30 N. Main St.

WILLIAM PATTEN, PH.D., *Professor of Zoölogy.*  
15 Webster Ave.

GEORGE DANA LORD, A.M., *Associate Professor of Greek and of Greek Archæology.*  
46 College St.

HERBERT DARLING FOSTER, A.M., *Professor of History.*  
9 Webster Ave.

EDWIN BRANT FROST, A.M., (*Professor Chicago University*)  
*Instructor in Astronomy.* 11 E. Wheelock St.

GILMAN DuBOIS FROST, A.M., M.D., *Professor of Anatomy and Secretary and Treasurer of the Medical Faculty.*  
13 E. Wheelock St.

FRANK GARDNER MOORE, PH.D., *Associate Professor of Latin and of Roman Archæology.*  
1 Occom Ridge.

WARREN AUSTIN ADAMS, PH.D., *Assistant Professor of German.*  
16 Occom Ridge.

FRED PARKER EMERY, A.M., *Willard Professor of Rhetoric and Oratory.*  
13 Webster Ave.

JOHN MARTIN GILE, A.M., M.D., *Professor of the Science and Practice of Medicine.*  
1 Maynard St.

ERNEST FOX NICHOLS, Sc.D., *Appleton Professor of Physics.*  
3 Occom Ridge.

LOUIS HENRY DOW, A.M., *Assistant Professor of French.*  
2 Occom Ridge.

HARRY EDWIN BURTON, PH.D., *Assistant Professor of Latin.*  
4 Occom Ridge.

JOHN HIRAM GEROULD, PH.D., *Instructor in Zoölogy.*  
4 Wentworth St.

GEORGE RAY WICKER, PH.D., *Instructor in Economics.*  
30 N. Main St.

JOHN HARVEY PROCTOR, A.M., *Instructor in Mathematics.*  
10 N. Main St.

FRANK HAIGH DIXON, PH.D., *Assistant Professor of Economics and Secretary of the Tuck School.* 24 Occom Ridge.

- WILBUR CORTEZ ABBOTT, B.LITT. (*Oxon.*), *Assistant Professor of History.*  
22 Occom Ridge.
- GORDON FERRIE HULL, PH.D., *Assistant Professor of Physics.*  
W. Wilder Hall.
- CHARLES HENRY RICHARDSON, PH.D., *Instructor in Chemistry and Mineralogy.*  
4 College St.
- ERNEST FELIX LANGLEY, A.B., *Instructor in French and Italian.*  
4 Wentworth St.
- ASHLEY KINGSLEY HARDY, PH.D., *Instructor in German.*  
4 Wentworth St.
- JOHN LAROY MANN, C.E., *Assistant Professor of Civil Engineering in the Thayer School.*  
4 W. Wheelock St.
- GEORGE THOMAS MOORE, PH.D., *Instructor in Botany.*  
11 W. Wheelock St.
- JOHN ELIOT ALLEN, A.B., LL.B., *Instructor in Law.*  
4 Wentworth St.
- HERMAN HARRELL HORNE, PH.D., *Assistant Professor of Philosophy and Pedagogy.*  
4 W. Wheelock St.
- RICHARD WELLINGTON HUSBAND, A.M., *Instructor in Greek.*  
30 N. Main St.
- CRAVEN LAYCOCK, A.B., *Assistant Professor of Oratory on the Evans Foundation.*  
18 Occom Ridge.
- PRESCOTT ORDE SKINNER, A.M., *Instructor in French and Spanish.*  
19 N. Main St.
- HOWARD NELSON KINGSFORD, M.D., *Instructor in Pathology and Bacteriology and Medical Director.*  
14 Occom Ridge.
- HENRY BARRETT HUNTINGTON, A.B., *Instructor in English.*  
4 W. Wheelock St.
- WILLIAM KILBORNE STEWART, A.M., *Instructor in German.*  
4 W. Wheelock St.
- ARTHUR AVERY BACON, A.B., *Instructor in Mathematics and Astronomy.*  
R. Wilder Hall.
- HOMER EATON KEYES, B.L., *Instructor in English.*  
4 W. Wheelock St.
-

ETTA MATTOCKS NEWELL, *Assistant Librarian.*

11 E. Wheelock St.

ALEXANDER ANDERSON MCKENZIE, B.S., *Superintendent of Buildings.*

4 W. Wheelock St.

GEORGE HILL EVANS, B.L., *Cataloguer in the Library.*

14 Occom Ridge.

FREDERICK WARREN JENKINS, A.B., *Assistant in the Library.*

The Wheelock.

HOWARD MURRAY TIBBETTS, A.B., *Assistant in the Dean's Office.*

The Wheelock.

PHILIP CORY WALCOTT, A.B., *Secretary of the Young Men's Christian Association.*

F. Bartlett Hall.

JOHN FRANCIS MAHAN, *Director of the Gymnasium.*

The Wheelock.

## OFFICE HOURS

THE PRESIDENT — Administration Building — 10 to 12 A.M. daily.

THE TREASURER — Bank Building — 1.30 to 2.30 P.M. daily.

THE DEAN OF THE COLLEGE — Administration Building — 9.30 to 11.30 A.M. daily, and 1.45 to 3.15 P.M., except Wednesdays and Saturdays.

THE SECRETARY OF THE TUCK SCHOOL — Office at Hubbard House — 9 to 10 A.M. daily.

THE DIRECTOR OF THE THAYER SCHOOL — Office at Thayer Building — 9 to 10 A.M. daily.

THE DEAN OF THE MEDICAL SCHOOL — Office at 9 School St. — 1.30 to 2.30 P.M. daily.

THE SECRETARY OF THE MEDICAL SCHOOL — Office at 13 E. Wheelock St. — 8 to 8.30 A.M., 1.30 to 2, and 7 to 7.30 P.M., daily.

THE SUPERINTENDENT OF BUILDINGS — Administration Building — 8 to 8.30 A.M., 11.30 to 12, and 5.30 to 6 P.M.

LIBRARY HOURS — 9 A.M. to 12.30 P.M. and 1.30 to 5 P.M.

Reading and Reference Rooms are open from 8 A.M. to 10 P.M., week-days, and Reading Rooms on Sundays from 1.30 to 5.30 P.M.

## BOARD OF PREACHERS, 1900-1901

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SAMUEL PENNIMAN LEEDS, D.D., *Pastor of the College Church.*

THE PRESIDENT OF THE COLLEGE.

FRANCIS BROWN, D.D., *Union Theological Seminary.*  
*New York, N. Y.*

GEORGE ANGIER GORDON, D.D., *Old South Church.*  
*Boston, Mass.*

GEORGE HODGES, D.D., *Episcopal Seminary.*  
*Cambridge, Mass.*

WILLIAM DEWITT HYDE, D.D., *Bowdoin College.*  
*Brunswick, Me.*

HARRY PINNEO DEWEY, D.D., *Church of the Pilgrims.*  
*Brooklyn, N. Y.*

NEWTON MARSHALL HALL, A.M., *North Church.*  
*Springfield, Mass.*

The term of service of each Preacher is from two to four Sundays, with the exception of the Pastor of the College Church, whose term is six Sundays.

The Preacher of the day is at Bartlett Hall on Sunday afternoon at four o'clock for personal interviews with the students.

# STUDENTS

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## FELLOW

Gerould, Gordon Hall

*Oxford, Eng.*

St. John's Road

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## GRADUATE STUDENTS

Howe, Frank Martin	<i>Weston, Vt.</i>	2 Allen St.
A.B. 1900. Mathematics and Pedagogy.		
Proctor, Charles Albert	<i>Hanover, N. H.</i>	10 N. Main St.
A.B. 1900. Physics, Astronomy, and Pedagogy: <i>Assistant in Laboratory.</i>		
Richardson, Leon Burr	<i>Lebanon, N. H.</i>	10 W. South St.
B.L. 1900. Chemistry: <i>Assistant in Laboratory.</i>		
Willard, Harley Richard	<i>Norwich, Vt.</i>	Norwich, Vt.
A.B. 1899. Physics, Mathematics, and Pedagogy: <i>Assistant in Laboratory.</i>		
Woodman, Leon Elmer	<i>Claremont, N. H.</i>	19 N. Main St.
A.B. 1899. Physics and Pedagogy.		

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## UNDERGRADUATES

c denotes Classical Course; Degree of A.B.

L denotes Latin-Scientific Course; Degree of B.L.

s denotes Chandler Scientific Course; Degree of B.S.

## SENIORS

Name	Course	Residence	Room
Andrews, John Gilbert	s	<i>Newton Centre, Mass.</i>	44 F. H.
Barnard, James Arthur	s	<i>Nashua, N. H.</i>	21 C. H.
Berry, John Edward	c	<i>Saco, Me.</i>	11 C. H.
Bishop, Eliot	c	<i>Brooklyn, N. Y.</i>	23 C. H.
Bond, Bernard Quincy	L	<i>Littleton, N. H.</i>	44 F. H.
Boyle, Charles John	L	<i>Worcester, Mass.</i>	A. A. ♣. House
Brown, Charles Ellsworth	c	<i>Hanover, N. H.</i>	3 B. H.
Brown, Warren Raymond	s	<i>Hanover, N. H.</i>	14 W. Wheelock St.



Name	Course	Residence	Room
Bryant, Clarence Edmund	L	Hyde Park, Mass.	3 F. H.
Buck, Arthur Ela	C	Manchester, N. H.	20 N. Main St.
Burke, Wilfrid Israel	C	Kennebunk, Me.	14 W. Wheelock St.
Burleigh, David Paul	L	Plymouth, N. H.	24 T. H.
Butterfield, Claude Albert	C	Perkinsville, Vt.	K. K. K. House
Calderwood, Edward Swazey	C	Boston, Mass.	25 S. Main St.
Cate, Harland Earle	C	Haverhill, Mass.	17 C. H.
Chase, Charles Richard	C	Rochester, N. H.	48 S. Main St.
Cheever, William Whittle	S	Nashua, N. H.	25 S. Main St.
Clark, Eugene Francis	C	Auburndale, Mass.	10 Rd. H.
Clark, Harry Sylvester	S	Randolph, Vt.	17 T. H.
Clark, James Stanford	C	West Brattleboro, Vt.	11 E. Wheelock St.
Cobb, Gardner Nathan	C	Strafford, Vt.	5 H. H.
Colby, Joseph Rutherford	C	Newport, Vt.	14 Rn. H.
Cox, Channing Harris	C	Concord, N. H.	K. K. K. House
Crone, Louis Leonard	L	Lexington, Mass.	16 Rn. H.
Cross, Ernest Samuel	C	Exeter, N. H.	3 Rn. H.
Crowell, John William	S	Salem, N. H.	54 F. H.
Crowell, Mortimer Leggett	S	Cleveland, O.	A. A. ♀. House
Crowell, Warner Rogers	S	Everett, Mass.	14 C. H.
Cudworth, Frank Ezekiel	S	Littleton, N. H.	Thayer Building
Curtis, Harlan Fuller	L	Killingworth, Conn.	34 F. H.
Davis, Waldo Trevor	C	Clinton, Mass.	3 D. H.
Dearborn, Selwyn Kenson	C	Bristol, N. H.	5 W. South St.
Denison, Guy Earlscount	C	Pittsfield, N. H.	14 F. H.
Doane, Royal Belden	S	Beckley, Conn.	1 W. H.
Dow, Eugene Madison	C	Woodsville, N. H.	17 T. H.
Dowd, John Edwin	C	New Britain, Conn.	Davison Block
Dunnington, Herbert Earl	L	Manchester, N. H.	8 S. H.
Dunsmoor, Ralph Wales	S	Northfield, Vt.	4 W. Wheelock St.
Eckstorm, Paul Frederick			
Theodore	L	Chicago, Ill.	48 S. Main St.
French, George Franklin	C	Park Hill, N. H.	K. K. K. House
French, Irving Joseph	L	Park Hill, N. H.	K. K. K. House
Gentleman, Fred William	C	Portsmouth, N. H.	8 T. H.
George, John Harvey	S	Barre, Vt.	10 College St.
Gilmore, Harry Bassett	C	Haverhill, Mass.	C. G. House
Gooch, Verson Woodman	S	Wakefield, Mass.	C. G. House
Grant, Perley Cummings	C	Auburn, N. H.	48 S. Main St.
Hall, Howard Warren	C	Shelburne Falls, Mass.	C. G. House
Halliday, Frank Wade	C	Solon, Me.	14 W. Wheelock St.
Hallman, Thomas Hart Benton	C	Royersford, Penn.	3 Pleasant St.

Name	Course	Residence	Room
Hancock, George Leverett	s	<i>Franklin Falls, N. H.</i>	16 Rn. H.
Hardy, Lawrence Parker	c	<i>South Framingham, Mass.</i>	14 W. Wheelock St.
Haskell, Frederick White	s	<i>Wakefield, Mass.</i>	A. A. ♀. House
Higgins, James Francis	l	<i>Barre, Vt.</i>	10 College St.
Hildreth, Charles Lewis	c	<i>Westford, Mass.</i>	9 T. H.
Hill, Frederick Lewis	c	<i>Brockton, Mass.</i>	18 S. H.
Hinckley, Albert Lucien	c	<i>Osterville, Mass.</i>	3 D. H.
Hopkins, Ernest Martin	c	<i>North Uxbridge, Mass.</i>	C. G. House
Hovey, Herbert Washburne	l	<i>Hanover, N. H.</i>	48 S. Main St.
Howe, James Arthur	s	<i>Barre, Vt.</i>	10 College St.
Hunter, Edgar Hayes	s	<i>Medford, Mass.</i>	6 S. H.
Kimball, Charles Warren, Jr.	c	<i>Penn Yan, N. Y.</i>	17 C. H.
Kimball, James Howland	c	<i>Hingham Centre, Mass.</i>	11 F. H.
Lane, Adolph Buch	s	<i>South Barre, Vt.</i>	10 College St.
Leavens, Robert French	c	<i>Boston, Mass.</i>	K. K. K. House
Lowe, Frank William	c	<i>Boston, Mass.</i>	6 F. H.
Lyon, Walter Hastings	c	<i>Ludlow, Mass.</i>	5 W. South St.
McCarten, James Edward	l	<i>Lancaster, N. H.</i>	16 Rn. H.
McIntyre, James Bradford	s	<i>Randolph, Vt.</i>	A. A. ♀. House
McMillan, Edward Neil	s	<i>Boston, Mass.</i>	Observatory
Maguire, Eugene Leo	c	<i>Somerville, Mass.</i>	10 W. South St.
Marsh, Francis Beal	s	<i>Brooklyn, N. Y.</i>	5 D. H.
Marshall, Andrew	c	<i>Boston, Mass.</i>	C. G. House
Mason, Thomas Augustus	c	<i>Northfield, Mass.</i>	2 S. H.
Merrill, Charles Henry	c	<i>Kennebunkport, Me.</i>	34 N. Main St.
Merrill, Leon Orlando	c	<i>Lower Gilmanton, N. H.</i>	17 Rood House
Miller, Clifton Thompson	l	<i>South Hadley Falls, Mass.</i>	7 Rd. H.
Newhall, Frank Warren	s	<i>Danvers, Mass.</i>	54 F. H.
O'Leary, Laurence James	l	<i>Lawrence, Mass.</i>	11 F. H.
O'Malley, Michael Henry	c	<i>Clinton, Mass.</i>	Davison Block
Owen, Carl Maynard	c	<i>Jacksonville, Ill.</i>	2 Elm St.
Page, Donald Taylor	c	<i>Manchester, N. H.</i>	24 T. H.
Perkins, Locke McIndoe	s	<i>Windsor, Vt.</i>	7 H. H.
Phelps, Clarence Lewis	c	<i>Quincy, Ill.</i>	5 Rd. H.
Pingree, George Elmer	c	<i>Georgetown, Mass.</i>	22 C. H.
Piper, George Irving	c	<i>North Parsonsfield, Me.</i>	27 Allen St.
Porter, Carlton Adelbert, Jr.	s	<i>Auburn, N. Y.</i>	16 C. H.
Prescott, Charles Irville	l	<i>Meredith, N. H.</i>	K. K. K. House
Qua, Stanley Elroy	c	<i>Lowell, Mass.</i>	10 C. H.
Raphael, Joseph	c	<i>Brooklyn, N. Y.</i>	4 C. H.
Redman, Arthur Prescott	l	<i>Lexington, Mass.</i>	16 C. H.

## STUDENTS

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Name	Course	Residence	Room
Remsen, Thomas Richard	s	Brooklyn, N. Y.	4 C. H.
Robinson, George Edwin	c	Brookline, Mass.	6 F. H.
Rollins, Daniel Ashton	c	Washington, D. C.	20 S. H.
Rugg, Warren Fuller	s	Ware, Mass.	25 S. H.
Salinger, Leon Alfred	L	Rochester, N. H.	42 F. H.
Sampson, George Arthur	L	Middleboro, Mass.	C. G. House
Scales, Robert Leighton	c	Dover, N. H.	C. G. House
Sibley, Harold Thorndike	c	Belfast, Me.	4 Rn. H.
Smith, James Stuart	L	Chicago, Ill.	1 S. H.
Smith, Rolfe Wheelock	c	Leominster, Mass.	K. K. K. House
Snow, Hubert Marcy	c	Washington, D. C.	16 T. H.
Snow, Robert Oland	L	New Britain, Conn.	36 F. H.
Somes, George Frederick	c	Manchester, N. H.	10 C. H.
Stetson, Orlando Samuel	s	Franklin, Mass.	6 W. South St.
Stevens, Everett Mellen	s	Nashua, N. H.	6 S. H.
Sykes, Arthur James	s	West Windsor, Vt.	2 D. H.
Taylor, Henry LaForest	c	Haverhill, Mass.	C. G. House
Thayer, Royal Bradford	c	Holbrook, Mass.	21 C. H.
True, Albert Lyman	s	Lancaster, Mass.	14 Rn. H.
VanderHoof, Douglas	L	San Francisco, Cal.	4 Rn. H.
Wainwright, Edward Cowles	s	Hanover, N. H.	48 S. Main St.
Ward, Richard, Jr.	c	Lancaster, Mass.	22 C. H.
Warren, Edward Winslow	c	Marlboro, Mass.	9 Rn. H.
Washburne, Harry Osbert	c	Hartford, Vt.	4 F. H.
Whelan, Charles	s	Weymouth, Mass.	15 S. H.
Whitaker, Earl Francis	s	Woonsocket, R. I.	25 S. H.
Whitcomb, Rubert Henry	c	Winchendon, Mass.	2 S. H.
Wilson, John Edward	c	Natick, Mass.	5 Hd. H.
Wood, Theodore Newton	L	Middleboro, Mass.	13 S. H.
Young, Walter Stevens	s	Londonderry, N. H.	2 F. II.

## JUNIORS

Abbott, Guy Hammond	L	St. Johnsbury, Vt.	19 F. H.
Adams, Herbert Carroll	s	Haverhill, Mass.	8 W. H.
Adrian, William	c	Winchester, Mass.	26 S. H.
Alling, Benjamin Willard	c	Kensington, Conn.	21 F. H.
Anguera, Herman Keidel Clifford de	s	Wakefield, Mass.	30 F. H.
Archibald, Frank Stearns	s	Hinsdale, N. H.	The Wheelock
Archibald, Kenneth	c	Brockton, Mass.	17 Rd. H.
Ballou, Harry Burchard	c	Bristol, N. H.	6 W. South St.

Name	Course	Residence	Room
Banning, Kendall	c	Walpole, N. H.	46 F. H.
Barnes, Thomas Louis	c	Waltham, Mass.	50 F. H.
Beaudry, George Hobbs	c	Marlboro, Mass.	6 E. H.
Bradley, Frederick Oliver	c	Evanston, Ill.	7 E. H.
Briggs, Herbert Wilfred	c	New York, N. Y.	2 Rn. H.
Brown, Julius Arthur	c	New York, N. Y.	14 Rd. H.
Bunker, Frank Parker	c	South Tamworth, N. H.	10 D. H.
Carleton, Ralph Howard	c	Haverhill, Mass.	2 W. H.
Carley, Neale Severance	c	Shelburne Falls, Mass.	9 S. H.
Chace, Robert Arnold	c	Chicago, Ill.	18 S. H.
Chivers, Daniel Houston	c	Amesbury, Mass.	13 T. H.
Cilley, Edgar Frank	c	Lowell, Mass.	18 T. H.
Clark, Robert Browning	L	Belmont, Mass.	3 Rn. H.
Clark, Robert Cushman	c	West Brattleboro, Vt.	11 E. Wheelock St.
Cofran, Frank Eugene	s	Hanover, N. H.	6 S. Park St.
Craig, Willis Parker	L	Marlow, N. H.	48 S. Main St.
Cregg, Edward Francis	L	Lawrence, Mass.	11 F. H.
Cristy, Austin Phelps, Jr.	c	Worcester, Mass.	K. K. K. House
Cushing, Daniel Thomas	c	Woodstock, Vt.	1 Rd. H.
Dalrymple, Albert Herman	c	Concord, N. H.	1 W. H.
Davis, Carroll Worthen	s	Post Mills, Vt.	3 Rd. H.
Dorr, Percy Orrin	c	Somersworth, N. H.	8 F. H.
Dow, George Lincoln	c	Cambridge, Mass.	22 F. H.
Drake, James Frank	c	Pittsfield, N. H.	14 F. H.
Dudley, Charles Howard	† s	Littleton, N. H.	9 W. H.
Dunklee, Maurice Johnson	c	Hanover, N. H.	40 S. Main St.
Easson, James	c	Troy, N. Y.	A. Δ. Φ. House
Eaton, Arthur Leon	c	Nashua, N. H.	10 T. H.
Edson, Pearl Paine	c	Worcester, Mass.	22 F. H.
Elderkin, George Wicker	c	Chicago, Ill.	53 F. H.
Elliott, Robert Henry	L	Lowell, Mass.	10 T. H.
Estabrook, Robert Francis	c	Boston, Mass.	5 Rn. H.
Farr, Leslie Boynton	s	Hanover, N. H.	15 E. Wheelock St.
Farwell, Hermon Waldo	c	Keene, N. H.	10 W. H.
Field, Arthur Sargent	c	Chicago, Ill.	6 A. H.
Fitzgerald, Amos Harold	L	North Trumbury, Mass.	8 W. H.
Fitzpatrick, Louis Johnstone	c	Portland, Me.	3 S. H.
Fowler, Clayton Holt	c	Epson, N. H.	3 Rd. H.
French, Frank Payson	s	West Manchester, N. H.	9 College St.
Fullington, Christopher Chadwick	L	Johnson, Vt.	21 S. H.
Furber, Charles Harris	c	Hanover, N. H.	8 School St.
Gay, Charles Waterman	s	Quincy, Ill.	27 F. H.
Gilchrist, Robert Howard	s	South Hartford, N. Y.	7 b T. H.

† Special course.

Name	Course	Residence	Room
Gilman, John Sanborn	C	<i>Farmington, N. H.</i>	Davison Block
Goddard, Charles William	C	<i>Augusta, Me.</i>	16 F. H.
Goodell, Robert Hosea	C	<i>South Framingham, Mass.</i>	27 F. H.
Graham, George Sellers	L	<i>Everett, Mass.</i>	29 E. Wheelock St.
Griffin, John Francis	L	<i>So. Hadley Falls, Mass.</i>	The Wheelock
Griffin, Philip Charles	C	<i>Chicago, Ill.</i>	21 T. H.
Griggs, Leland	C	<i>Hanover, N. H.</i>	9 Pleasant St.
Hall, Francis Chamberlain	S	<i>Winchester, Mass.</i>	28 S. H.
Hall, William Clark	L	<i>Manchester, N. H.</i>	52 F. H.
Harris, Howard Merton	C	<i>Plaistow, N. H.</i>	2 W. H.
Harrison, Charles Harvey	L	<i>St. John, N. B.</i>	5 College St.
Hartshorn, John Edward	S	<i>Washington, D. C.</i>	8 S. H.
Hatch, Roy Winthrop	C	<i>Marshfield, Mass.</i>	1 T. H.
Hayes, Allen Milliken	C	<i>North Berwick, Me.</i>	11 T. H.
Hazen, Clarence Milton	C	<i>Barton, Vt.</i>	14 Rood House
Hill, Harry Cyrus	S	<i>Concord, N. H.</i>	K. K. K. House
Hill, Lawrence Richardson	L	<i>Concord, N. H.</i>	23 Rn. H.
Hill, William Carroll	L	<i>Milford, N. H.</i>	12 S. H.
Holmes, Joseph Edwin	C	<i>Arlington, Mass.</i>	1 S. H.
Hosford, Clarence Kent	S	<i>North Thetford, Vt.</i>	K. K. K. House
Houghton, Arthur Stillman	L	<i>Worcester, Mass.</i>	9 College St.
Howard, William, Jr.	L	<i>Brooklyn, N. Y.</i>	3 S. H.
Howard, William Hanson, Jr.	C	<i>Lowell, Mass.</i>	15 C. H.
Hubbard, George Morrison	S	<i>New Britain, Conn.</i>	21 F. H.
Hubbard, Thomas Parker	C	<i>West Boxford, Mass.</i>	19 F. H.
Huntington, James Lincoln	C	<i>Hanover, N. H.</i>	19 S. Main St.
Keniston, Davis Baker, Jr.	C	<i>Plymouth, N. H.</i>	10 N. Main St.
Kimball, Louis Maurice	C	<i>North Haverhill, N. H.</i>	K. K. K. House
Kircher, Charles Arthur	L	<i>Webster, N. Y.</i>	8 D. H.
Ladd, Carey Prentis	C	<i>Greenfield, Mass.</i>	16 T. H.
Larned, Richard Montgomery, Jr.	C	<i>Newtonville, Mass.</i>	K. K. K. House
Leach, Eugene William	S	<i>Franklin, N. H.</i>	C. G. House
Leach, Homer Zenas	C	<i>Waterville, Vt.</i>	15 Rood House
Leahy, Maurice Joseph	L	<i>South Hadley Falls, Mass.</i>	7 Rd. H.
Lyons, Dennis Francis	C	<i>Danvers, Mass.</i>	49 F. H.
McVicar, Edward Joseph	C	<i>Auburndale, Mass.</i>	Davison Block
Mahoney, William Henry	L	<i>Miller's Falls, Mass.</i>	Davison Block
Merrill, Arthur Hodges	C	<i>Portland, Me.</i>	17 Rn. H.
Merrill, Roy Stanley	C	<i>Shelburne Falls, Mass.</i>	9 S. H.
Moore, Frank Cochrane	C	<i>Goffstown, N. H.</i>	49 F. H.
Morse, Kenneth Lee	C	<i>Hanover, N. H.</i>	25 W. Wheelock St.
Munroe, James Albert	C	<i>Jamaica Plain, Mass.</i>	1 F. H.

Name	Course	Residence	Room
Murphy, Francis Vincent	C	Newport, R. I.	8 College St.
Murray, William Henry	C	South Lancaster, Mass.	8 D. H.
Newcomb, Rush Frederick	S	Union Village, Vt.	13 E. Wheelock St.
Newman, George Willard	S	Keene, N. H.	10 W. H.
Newman, Sewall Edwin	S	Beverly, Mass.	48 F. H.
O'Connor, John Christopher	S	Bradford, Mass.	14 C. H.
Osgood, Fred Wheeler	S	Fitchburg, Mass.	37 S. Main St.
Paine, Raymond Elder	L	Boston, Mass.	20 S. H.
Parker, Harold Francis	L	Reading, Mass.	5 C. H.
Parker, Herbert Gooding	C	Worcester, Mass.	8 F. H.
Parry, Augustus Newell, Jr.	S	Amesbury, Mass.	25 S. Main St.
Passage, George Azel	C	St. Paul, Minn.	2 T. H.
Patrell, Arthur Ellis	S	Wilder, Vt.	37 S. Main St.
Pattee, George Kynett	C	Bristol, N. H.	6 W. South St.
Peck, Martin William	S	Montpelier, Vt.	19 Rd. H.
Peckham, Reuben	L	Troy, N. Y.	A. A. ♣. House
Perkins, Moses Bradstreet	C	Salem, Mass.	10 Rd. H.
Pillsbury, Henry Church	C	Lowell, Mass.	2 Rd. H.
Plumer, Harold Edward	S	Dover, N. H.	21 W. H.
Porter, John Endicott	S	Danvers, Mass.	50 F. H.
Pratt, David Damon	L	Sharon, Mass.	20 W. H.
Riley, Francis Bennett	S	Chicago, Ill.	14 C. H.
Rowley, George Henry	C	Harwich, Mass.	9 D. H.
Ruggles, Arthur Hiler	C	Hanover, N. H.	21 N. Main St.
Ruggles, Arthur Valentine	S	Clinton, Mass.	7 H. H.
Sanborn, Harvey Beede	C	Gonic, N. H.	22 W. H.
Sanborn, Hugh Montgomery	C	Henniker, N. H.	5 College St.
Sanborn, Henry Nichols	C	Boston, Mass.	17 Rd. H.
Schilling, Albert Henry	S	New Britain, Conn.	Davidson Block
Shanahan, Timothy Joseph	C	Charlestown, Mass.	10 W. South St.
Smith, Chesley Hartt	L	Plymouth, N. H.	24 T. H.
Smith, Robert Holbrook	C	St. Johnsbury, Vt.	K. K. K. House
Soper, Ralph Carroll	C	South Royalton, Vt.	8 E. H.
Stanley, Arthur Penrhyn	S	Bolsters' Mills, Me.	9 Rd. H.
Stanton, Fred Caswell	S	Vineyard Haven, Mass.	1 F. H.
Stevens, Benjamin Scott	C	North Haven, Conn.	K. K. K. House
Stone, Howard Perley	C	Haverhill, Mass.	2 W. H.
Studwell, Chester Arthur	S	Port Chester, N. Y.	21 T. H.
Thompson, Philip Pickering	C	Portland, Me.	K. K. K. House
Thompson, William Bisbee	L	Everett, Mass.	48 S. Main St.
Tozzer, Arthur Clarence	S	Lynn, Mass.	12 S. H.
Tracy, Henry Carroll	C	Hanover, N. H.	6 College St.

## STUDENTS

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Name	Course	Residence	Room
Varney, Lawrence Delano	s	<i>Dover, N. H.</i>	13 F. H.
Walker, John	s	<i>New Britain, Conn.</i>	20 T. H.
Watson, Ernest Bradlee	c	<i>Dorchester, Mass.</i>	15 F. H.
Wattie, Charles	L	<i>Pike Station, N. H.</i>	5 College St.
Whitcher, Burr Royce	c	<i>Woodsville, N. H.</i>	9 College St.
Winslow, Asa Irving	c	<i>Lakeville, Mass.</i>	12 Occom Ridge
Wright, Joseph Garfield	c	<i>Lowell, Mass.</i>	2 Rd. H.

## SOPHOMORES

Adams, Almon Edgar	c	<i>Littleton, N. H.</i>	23 Rn. H.
Avery, Maurice Hussey	c	<i>Nashua, N. H.</i>	11 W. H.
Badger, Edward Leon	s	<i>Pittsfield, Mass.</i>	10 W. South St.
Baker, Fred W	† c	<i>Lancaster, N. H.</i>	32 N. Main St.
Barrows, Samuel Fay	c	<i>Lowell, Mass.</i>	17 S. H.
Batchelder, Nathaniel Hayward	c	<i>Keene, N. H.</i>	12 Rn. H.
Bates, Herbert Nelson	s	<i>Hingham Centre, Mass.</i>	23 W. H.
Bennett, Hamlin Perley	c	<i>Farmington, N. H.</i>	19 W. H.
Bergengren, Roy Frederick	L	<i>Lynn, Mass.</i>	14 S. H.
Blaisdell, Harry Stephen	s	<i>Goffstown, N. H.</i>	1 Rd. H.
Bolster, Arthur Stanley	c	<i>Nashua, N. H.</i>	7 S. H.
Brackett, Karl Starkey	s	<i>Westboro, Mass.</i>	23 N. Main St.
Bradley, David Emery, Jr.	L	<i>Evanston, Ill.</i>	7 E. H.
Brewer, Robert DuBois	L	<i>Brookline, Mass.</i>	10 F. H.
Brown, Ernest Lee	L	<i>Lebanon, N. H.</i>	6 W. Wheelock St.
Brown, Marcus Richard	L	<i>Fall River, Mass.</i>	5 S. H.
Brown, Phillip Lowell	c	<i>Amesbury, Mass.</i>	15 Rd. H.
Bullard, Harold Arvel	L	<i>Lancaster, N. H.</i>	40 F. H.
Bunker, Charles Clinton	c	<i>Mercer, Me.</i>	45 F. H.
Burbeck, Edward Kimball	c	<i>Manchester, N. H.</i>	Davison Block
Burnham, Kingsley Allan	s	<i>Roxbury, Mass.</i>	10 Rn. H.
Cannell, John Weston	c	<i>Everett, Mass.</i>	48 College St.
Chapin, William Sanders	c	<i>Linching, China</i>	4 B. H.
Chedel, Charles Brigham	c	<i>Pittsfield, Vt.</i>	8 T. H.
Cobb, Stanwood	c	<i>Newton Highlands, Mass.</i>	15 T. H.
Cohen, Arthur Joseph	c	<i>New York, N. Y.</i>	16 S. H.
Cole, Fred Amos	s	<i>Peru, Ill.</i>	40 S. Main St.
Collins, Francis Joseph	s	<i>Worcester, Mass.</i>	25 N. Main St.
Colton, Chauncey Corey	L	<i>Danvers, Mass.</i>	11 W. H.
Comstock, Harold Dearborn	c	<i>Chelsea, Vt.</i>	4 B. H.
Conner, William Hayden	c	<i>Haverhill, Mass.</i>	26 Rn. H.
Cornwell, William Eames	s	<i>Rome, N. Y.</i>	13 E. H.

Name	Course	Residence	Room
Corse, Elton Lee	C	<i>Richford, Vt.</i>	K. K. K. House
Cresswell, James Baxter	C	<i>Roxbury, Mass.</i>	7 S. H.
Crosse, Franklin	C	<i>Lewiston, Me.</i>	5 A. H.
Crowell, John	C	<i>Cleveland, O.</i>	12 H. H.
Cushing, Henry Dwight	C	<i>South Hingham, Mass.</i>	5 S. H.
Cushman, Robert, Jr.	S	<i>Hanover, Mass.</i>	10 S. H.
Cutter, Victor Macomber	L	<i>Lowell, Mass.</i>	10 T. H.
Darling, Harold Duncan	C	<i>Hyde Park, Mass.</i>	4 Rd. H.
Davis, Robert Meacham	C	<i>Newton, Mass.</i>	26 F. H.
Day, Harry Llewellyn	C	<i>Lyman, Me.</i>	12 Lebanon St.
Decatur, Arthur Garfield	L	<i>Rochester, N. H.</i>	42 F. H.
Delano, Henry Ward	C	<i>Marion, Mass.</i>	10 W. South St.
Douglass, Douglass Burns	L	<i>Fort Wayne, Ind.</i>	8 Rd. H.
Dunn, Morley Knight	C	<i>South Dartmouth, Mass.</i>	23 T. H.
Edwards, Charles Berkeley	C	<i>Haverhill, Mass.</i>	9 C. H.
Erwin, Clayton Lemuel	C	<i>Bradford, Vt.</i>	34 N. Main St.
Farley, Carl Howard	S	<i>Nashua, N. H.</i>	15 C. H.
Farmer, Allen Brown	L	<i>Roxbury, Mass.</i>	27 Rn. H.
Fitts, Harry Wilfred	S	<i>Manchester, N. H.</i>	8 School St.
Follett, Herbert Champion	L	<i>Chicago, Ill.</i>	44 College St.
Ford, George Denham	C	<i>Brooklyn, N. Y.</i>	26 F. H.
Freeman, Ross Manahan	S	<i>Lebanon, N. H.</i>	2 T. H.
French, Morton Bowles	C	<i>Athol, Mass.</i>	16 S. H.
Geraghty, James Michael	S	<i>Holyoke, Mass.</i>	15 H. H.
Grant, William West, Jr.	C	<i>Denver, Colo.</i>	6 C. H.
Hadley, Chester Barton	S	<i>Arlington Heights, Mass.</i>	8 Rd. H.
Hale, Floyd Orlin	L	<i>Windsor, Vt.</i>	8 H. H.
Hail, Charles Taber	C	<i>Everett, Mass.</i>	23 T. H.
Hall, Forrest Joslin	C	<i>Keene, N. H.</i>	18 W. H.
Hallinan, Charles Thomas	C	<i>Kansas City, Mo.</i>	30 F. H.
Hanlon, Arthur Edward	C	<i>Salem, Mass.</i>	25 S. Main St.
Hartshorn, Willard LaMonte	L	<i>Evanston, Ill.</i>	6 C. H.
Haselwood, Willis Henry	S	<i>Quincy, Ill.</i>	15 Rd. H.
Haugan, Henry Alexander	S	<i>Chicago, Ill.</i>	29 Rn. H.
Hausmann, Daniel Andrew	L	<i>Albany, N. Y.</i>	18 Rd. H.
Hess, Harold Miner	L	<i>Evanston, Ill.</i>	44 College St.
Hill, Nathaniel Wood	C	<i>Newark, N. J.</i>	K. K. K. House
Hinckley, Daniel Roy	C	<i>West Lebanon, N. H.</i>	25 F. H.
Hoke, George Edward	L	<i>Herndon, Penn.</i>	19 Rd. H.
Holbrook, Arthur Raymond	C	<i>Ashland, Mass.</i>	28 F. H.
Howard, Preston Wilbar	C	<i>Brockton, Mass.</i>	29 S. H.
Howes, Clarence Gray	L	<i>Reading, Mass.</i>	18 Rn. H.



Name	Course	Residence	Room
Howland, Densmore Bishop	C	<i>Franconia, N. H.</i>	9 W. H.
Irvin, Arba J	L	<i>Chicago, Ill.</i>	18 C. H.
Jackson, Andrew	C	<i>Littleton, N. H.</i>	9 H. H.
Johnson, Charles Edward	L	<i>North Andover, Mass.</i>	5 W. H.
Johnston, Frederic Safford	C	<i>Attleboro, Mass.</i>	25 S. Main St.
Jones, Philip Nelson	C	<i>Haverhill, Mass.</i>	9 C. H.
Kelley, Herbert Lester	L	<i>Franklin Falls, N. H.</i>	34 F. H.
Kellner, Harold Edwin	L	<i>Newark, N. J.</i>	5 C. H.
Kenerson, Edward Hibbard	C	<i>Roxbury, Mass.</i>	2 E. H.
Kennedy, John Henry	C	<i>Holyoke, Mass.</i>	15 H. H.
Keyes, Ralph Preble	C	<i>Somerville, Mass.</i>	10 E. H.
Kidger, Horace	L	<i>Everett, Mass.</i>	1 T. H.
Kimball, Leigh Wadsworth	C	<i>Penn Yan, N. Y.</i>	23 F. H.
King, Harold Davis	C	<i>West Farmington, Me.</i>	9 College St.
Kivel, Frank	C	<i>Dover, N. H.</i>	17 Rn. H.
Lamprey, David Clinton, Jr.	L	<i>Manchester, N. H.</i>	11 Rd. H.
Lewers, Ralph Edward	L	<i>Brooklyn, N. Y.</i>	37 F. H.
Libby, Ralph Leonard	C	<i>Dover, N. H.</i>	34 N. Main St.
Linnell, Harry Leslie	S	<i>Wollaston, Mass.</i>	28 F. H.
Lovell, Aldis Willard	L	<i>Alstead, N. H.</i>	9 College St.
Luce, Charles Lyman	C	<i>Nashua, N. H.</i>	K. K. K. House
Lyman, Timothy	C	<i>West Brookfield, Mass.</i>	29 F. H.
McClary, Nelson Ford	S	<i>Malone, N. Y.</i>	K. K. K. House
McElroy, John Hale	C	<i>Albany, N. Y.</i>	32 F. H.
McElwain, Herbert Andrew	S	<i>Enfield Centre, N. H.</i>	1 Rd. H.
McGowan, Robert	C	<i>North Grafton, Mass.</i>	11 E. H.
MacKinnon, Allan Parmalee	L	<i>Boston, Mass.</i>	21 Rn. H.
MacLennan, Edgar Allen	C	<i>Roxbury, Mass.</i>	1 D. H.
MacLennan, John William	C	<i>Roxbury, Mass.</i>	1 D. H.
McManus, James William	L	<i>Lawrence, Mass.</i>	51 F. H.
McVicar, Joseph Ambrose	C	<i>Auburndale, Mass.</i>	Davison Block
Mahoney, Jeremiah Francis	S	<i>North Andover, Mass.</i>	5 W. H.
Martin, Nelson Eugene	C	<i>Cheshire, Mass.</i>	W. Lebanon Road
Matteson, Byron Winfield	L	<i>New York, N. Y.</i>	14 Rd. H.
Mechlin, Oscar Alexander	S	<i>Washington, D. C.</i>	19 S. H.
Morrison, Clarence Edwin	C	<i>Lawrence, Mass.</i>	7 F. H.
Morrison, Charles Franklin	S	<i>Lawrence, Mass.</i>	7 F. H.
Morse, Harold Marston	L	<i>Brooklyn, N. Y.</i>	2 C. H.
Moulton, Frank Arthur	C	<i>Dorchester, Mass.</i>	13 F. H.
Mudge, Otis Pope	L	<i>Danvers Centre, Mass.</i>	21 W. H.
Mullett, George Burnam	C	<i>North Brookfield, Mass.</i>	17 H. H.
Murphy, Sherman Arnold	L	<i>Albany, N. Y.</i>	3 C. H.

Name	Course	Residence	Room
Musgrove, George Egbert	s	<i>Pittsfield, Mass.</i>	14 T. H.
Neal, Cleland Richardson	c	<i>Amesbury, Mass.</i>	19 W. H.
Neal, Ralph Worrick	c	<i>Salem, Mass.</i>	1 Rn. H.
Nesmith, Walter Scott	c	<i>Goffstown, N. H.</i>	3 School St.
Newell, Charles Edward	c	<i>West Derry, N. H.</i>	5 W. South St.
Noyes, Arthur Percy	c	<i>West Canaan, N. H.</i>	19 T. H.
Palmer, Albert Rollins	c	<i>Brooklyn, N. Y.</i>	4 S. H.
Palmer, Harold Viall	s	<i>Reading, Mass.</i>	41 F. H.
Patch, George William	c	<i>Shelburne Falls, Mass.</i>	2 E. H.
Paul, Carroll	s	<i>Washington, D. C.</i>	21 S. H.
Perham, Frank Stuart	L	<i>Hanover, N. H.</i>	6 W. South St.
Pierpont, Henry Warner	c	<i>New Haven, Conn.</i>	36 N. Main St.
Pillsbury, Ralph William	s	<i>Boscawen, N. H.</i>	9 College St.
Place, Victor Morton	c	<i>Hanover, N. H.</i>	48 College St.
Porter, Henry George	s	<i>Bartlett, N. H.</i>	9 Rd. H.
Pratt, Alton Gerard	c	<i>North Middleboro, Mass.</i>	13 S. H.
Reed, George Albert	s	<i>Barre, Vt.</i>	10 College St.
Rice, Winfield Lawrence	c	<i>Boothbay Harbor, Me.</i>	4 Rd. H.
Ropes, Howard Leon	s	<i>Methuen, Mass.</i>	Observatory
Rowe, Otis Arthur	c	<i>Gilford, N. H.</i>	10 D. H.
Ruppel, Henry Erich Kasemere	L	<i>Brooklyn, N. Y.</i>	28 Rn. H.
Safford, Henry Gates	c	<i>Quechee, Vt.</i>	48 F. H.
Sayward, Henry Morton	c	<i>Ipswich, Mass.</i>	11 Rn. H.
Schlatter, Edward Bunker	c	<i>Brooklyn, N. Y.</i>	K. K. K. House
Scudder, Harold Hungerford	s	<i>Washington, D. C.</i>	19 S. H.
Skinner, Azro Karl	c	<i>Keene, N. H.</i>	17 F. H.
Sleicher, George Ingalls	L	<i>Albany, N. Y.</i>	32 F. H.
Smith, Albert Edward	c	<i>Albany, N. Y.</i>	18 Rd. H.
Smith, Arthur Kendal	c	<i>West Boylston, Mass.</i>	11 D. H.
Smith, Harold Elnor	c	<i>Lebanon, N. H.</i>	8 College St.
Smith, James Francis	L	<i>Wilder, Vt.</i>	17 H. H.
Smith, Orvil Weaver	c	<i>Lewiston, Me.</i>	20 W. H.
Smith, Sherman	s	<i>Omaha, Neb.</i>	17 F. H.
Stevens, William Lyman	L	<i>Concord, N. H.</i>	29 Rn. H.
Stockwell, Alexander Lewis	c	<i>Watertown, Mass.</i>	8 T. H.
Swan, Laurence Clarke	c	<i>Stoughton, Mass.</i>	16 Rd. H.
Swett, Peter Mansfield	s	<i>Lynn, Mass.</i>	33 F. H.
Tappan, Crosby	s	<i>Sharon, Mass.</i>	5 H. H.
Tapper, Charles Albert	c	<i>Elgin, Ill.</i>	11 D. H.
Taylor, Ralph Hayden	c	<i>Haverhill, Mass.</i>	18 C. H.
Thomas, Philip Williams	c	<i>Neath, Penn.</i>	1 N. Park St.
Thorpe, Jesse Leroy	c	<i>Lisbon, N. H.</i>	17 W. H.

## STUDENTS

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Name	Course	Residence	Room
Tobey, Walter Harvey	C	Guilford, Me.	14 Rood House
Wadham, John Pray	L	West Newton, Mass.	15 Rn. H.
Walther, Julius Bernhardt	S	Woonsocket, R. I.	Davison Block
Warner, Southard Parker	C	Washington, D. C.	20 Rn. H.
Watson, William Harry	L	Danvers, Mass.	2 D. H.
Webb, Charles Alfred	C	Bradford, Vt.	Davison Block
Wentworth, Franklin Wesley	S	Chelsea, Mass.	20 F. H.
Wentworth, John Paul	L	Sandwich, N. H.	3 C. H.
Whelden, Perley Eaton	C	Ludlow, Vt.	4 S. H.
Whipple, Dana Bryden	C	Lowell, Mass.	17 S. H.
Wiley, Mark Bruce	L	St. Albans, Vt.	37 F. H.
Wilson, Earle Elwin	C	Corinth, Vt.	25 Lebanon St.
Woodward, Henry Elliot	S	Lexington, Mass.	33 F. H.
Woolverton, William Hand	L	Washington, D. C.	18 T. H.
Worthen, Carl Burpee	C	Melrose, Mass.	10 E. H.

## FRESHMEN

Aldrich, Oscar James	C	Grafton, N. H.	6 D. H.
Ames, Clayton Lester	C	Bridgton, Me.	9 Rd. H.
Amey, Edward Everett	L	Lancaster, N. H.	23 H. H.
Andrews, Herbert Morrill	S	Newton Centre, Mass.	43 F. H.
Atwood, Howard Deloz	S	New Boston, N. H.	4 T. H.
Austin, David Sands, 2d	S	North Berwick, Me.	11 T. H.
Barnet, Alexander	L	Chicago, Ill.	5 E. H.
Bartlett, Edwin Rice	C	Hanover, N. H.	8 W. Wheelock St.
Batchelder, James Hayward	C	Keene, N. H.	12 Rn. H.
Belknap, John	S	Andover, Mass.	19 N. Main St.
Benner, Bancroft	L	Lowell, Mass.	6 Rn. H.
Blair, Hugh	C	Dorchester, Mass.	9 E. H.
Blanchard, Philips Staples	C	Peacham, Vt.	7 D. H.
Bletzer, Robert Arthur	S	Jamaica Plain, Mass.	6 W. South St.
Bowles, Amasa	S	Plymouth, N. H.	1 B. H.
Boyle, Bernard Leo	S	Manchester, Mass.	10 Lebanon St.
Bradley, John Francis	C	Troy, N. Y.	25 S. Main St.
Brainerd, Joseph Amasa	C	Troy, N. Y.	25 S. Main St.
Brayton, Bascom Backus	S	Hartford, N. Y.	7 T. H.
Breen, John	C	Hingham, Mass.	23 W. H.
Brennon, Elmer Garfield	S	Lowell, Mass.	2 B. H.
Brotherhood, James Stewart	S	Brooklyn, N. Y.	11 H. H.
Brown, Robert Roswell	L	Elgin, Ill.	7 D. H.
Brown, Raymond Warren	S	Bradford, Vt.	34 N. Main St.

Name	Course	Residence	Room
Bullock, Matthew Washington	L	<i>Everett, Mass.</i>	18 H. H.
Burdett, Owen Long	S	<i>Wakefield, Mass.</i>	12 D. H.
Busby, Jared Lester	C	<i>Warren, Mass.</i>	11 E. Wheelock St.
Callmann, Herbert	L	<i>New York, N. Y.</i>	14 Rd. H.
Carr, William Howes	S	<i>Concord, N. H.</i>	5 E. H.
Casey, Edward Lawrence	L	<i>Somersworth, N. H.</i>	5 A. H.
Charron, Arthur Isaac	L	<i>Leominster, Mass.</i>	24 H. H.
Chase, Harry Woodbury	L	<i>Groveland, Mass.</i>	9 D. H.
Chase, Millard Filmore	C	<i>Brooks, Me.</i>	20 C. H.
Cleveland, Raymond Lindley	L	<i>Danvers Centre, Mass.</i>	31 F. H.
Clough, William Plummer	S	<i>New London, N. H.</i>	2 C. H.
Cobb, Percival Bartlett	C	<i>Newton Upper Falls, Mass.</i>	15 T. H.
Colesworthy, Daniel Clement	S	<i>Hyde Park, Mass.</i>	5 T. H.
Cook, James Nelson	† S	<i>Centre Harbor, N. H.</i>	24 S. H.
Couillard, Edward James	L	<i>Manchaug, Mass.</i>	6 Rd. H.
Crawford, Eben Grant	C	<i>Franklin, Penn.</i>	8 School St.
Cronin, John Walter	L	<i>East Weymouth, Mass.</i>	14 W. H.
Cummings, Edward John	C	<i>Littleton, N. H.</i>	17 W. H.
Currier, Leo Johnson	C	<i>Danvers Centre, Mass.</i>	24 W. H.
Dailey, Michael Andrew	L	<i>North Easton, Mass.</i>	23 S. H.
Daniels, Edwin Abram	C	<i>Lyndon, Vt.</i>	Norwich, Vt.
Darrow, Paul Everett	S	<i>Chicago, Ill.</i>	35 College St.
Davis, Charles Eleazer	S	<i>Tilton, N. H.</i>	13 Rd. H.
Dondero, Charles Anthony	L	<i>Portsmouth, N. H.</i>	39 F. H.
Doonan, John Francis	S	<i>Greenville, N. H.</i>	The Wheelock
Dougherty, William Joseph	S	<i>Manchester, Mass.</i>	10 Lebanon St.
Drew, Hedley Garland	S	<i>Chicago, Ill.</i>	12 Lebanon St.
Durgin, Linwood Story	C	<i>Lewiston, Me.</i>	2 C. H.
Eastman, Richard Taft	S	<i>Littleton, N. H.</i>	11 Rn. H.
Edgerly, Ferdinand Bosher	L	<i>Manchester, N. H.</i>	24 Rn. H.
Egbert, Edward Homer	S	<i>Cleveland, O.</i>	12 H. H.
Elderkin, James Dorman	C	<i>Oak Park, Ill.</i>	5 Rn. H.
Falconer, Robert Crawford	C	<i>Hamilton, O.</i>	40 S. Main St.
Fauteaux, Louis Dearborn	C	<i>Hanover, N. H.</i>	27 Allen St.
Favor, Paul Gordon	C	<i>Lowell, Mass.</i>	2 B. H.
Fellows, John Hibbard	S	<i>Tilton, N. H.</i>	13 Rd. H.
Fenno, Stanley Warner	S	<i>Revere, Mass.</i>	20 T. H.
Fisher, Stuart Dexter	C	<i>Woonsocket, R. I.</i>	1 W. H.
Fiske, Robert Chester	L	<i>Hyde Park, Mass.</i>	15 W. H.
Fletcher, John Storrs	S	<i>Chattanooga, Tenn.</i>	8 School St.
Fling, Lewis Seavey	L	<i>Bristol, N. H.</i>	6 W. South St.
Ford, David Emerson	L	<i>East Weymouth, Mass.</i>	14 W. H.

† Special course.

Name	Course	Residence	Room
Foster, Amos Parker	C	Keene, N. H.	20 H. H.
Freeman, Fred Brockway	C	Claremont, N. H.	17 T. H.
Frost, Gordon Bennett	C	Fort Ann, N. Y.	12 Lebanon St.
Gale, Arthur Pinkham	S	Jackson, N. H.	15 S. H.
Gibson, Lester Henry	S	Clinton, Mass.	8 C. H.
Gormly, Clarence Wallace	L	Troy, N. Y.	24 F. H.
Gray, William Renssalaer	L	Aurora, Ill.	11 S. H.
Griffin, Joseph Edward	C	Manchester, Mass.	10 Lebanon St.
Hall, Henry Monroe	C	Dover, N. H.	10 W. South St.
Ham, Harry Howard	C	Dorchester, Mass.	15 Rn. H.
Hamblen, Clarence Bryant	L	East Lexington, Mass.	24 H. H.
Hamblin, Frank Samuel	S	Somerville, Mass.	1 C. H.
Hamilton, Harry Levi	C	Old Town, Me.	13 H. H.
Hardy, Francis Hathaway	S	Dover, N. H.	35 College St.
Hastings, Alfred Bryant	C	Nashua, N. H.	4 E. H.
Hatch, Albert Ruyter	L	Greenland, N. H.	35 F. H.
Hatch, Jared Platt	C	Hanover, N. H.	8 W. South St.
Hemenway, Ralph Wilbur	C	Hopkinton, Mass.	25 F. H.
Herman, Earl Leslie	L	Chicago, Ill.	7 D. H.
Hersam, George Alexander	C	Stoneham, Mass.	3 School St.
Hill, Albert Lyon	L	Derry, N. H.	10 H. H.
Hills, Gay Elijah	L	Swansey, N. H.	7 W. H.
Hinman, Burritt Havilah	L	North Stratford, N. H.	1 C. H.
Hobbs, Don Purcell	C	West Ossipee, N. H.	24 S. H.
Holton, Harry Irving	L	Chicago, Ill.	19 C. H.
Horne, Elmer Chadburne	L	Somersworth, N. H.	5 A. H.
Jackson, Delbert Linscott	S	Chelsea, Mass.	23 F. H.
Jeffreys, Arthur Henry	S	Chelsea, Mass.	18 H. H.
Johnson, Harry	C	Middlefield, Mass.	4 A. H.
Kimball, Arthur William	C	East Fairfield, Me.	3 E. H.
Kirker, John Henry, Jr.	L	Albany, N. Y.	13 T. H.
Kneeland, William Aiken	C	Roxbury, Mass.	4 E. H.
Ladd, Percy Chandler	C	Greenfield, Mass.	16 T. H.
Lampee, Charles Irving	S	Chelsea, Mass.	23 F. H.
Laskey, Edward Philip	S	Dover, N. H.	7 C. H.
Leddy, Charles Joseph	C	Newfields, N. H.	48 S. Main St.
Leonard, William John	L	Lancaster, N. H.	23 H. H.
Leveroni, Lewis Edward	S	Keene, N. H.	10 W. H.
Lewis, George Alexander	S	Hingham, Mass.	8 W. H.
Lockwood, Charles Mowry	S	Hyde Park, Mass.	15 W. H.
Logan, Donald Brigham	L	Worcester, Mass.	13 W. Wheelock St.
MacKeen, William Duncan	S	Peabody, Mass.	48 S. Main St.

Name	Course	Residence	Room
McKennis, Herbert	C	<i>Albany, N. Y.</i>	32 N. Main St.
McKnight, Charles Francis	C	<i>Hiawatha, Kan.</i>	40 S. Main St.
McNamara, Andrew Grady	L	<i>North Easton, Mass.</i>	23 S. H.
McWilliams, Harry Plattenburg	L	<i>Chicago, Ill.</i>	19 C. H.
Maguire, Peter Joseph	S	<i>South Hadley Falls, Mass.</i>	3 T. H.
Mahoney, William Henry	L	<i>Peabody, Mass.</i>	24 W. H.
Manning, Patrick John	C	<i>Hyde Park, Mass.</i>	9 Pleasant St.
Mathes, Maurice Everett	S	<i>Dover, N. H.</i>	7 C. H.
Maynard, Alexander Rockwood	C	<i>Nashua, N. H.</i>	5 D. H.
Maynard, Cloyd Tabor	S	<i>Sandy Hill, N. Y.</i>	12 Lebanon St.
Meyers, Jerome	C	<i>Albany, N. Y.</i>	34 N. Main St.
Miller, Daniel McGurren	S	<i>Holyoke, Mass.</i>	The Wheelock
Moore, Guernsey Center	L	<i>Minneapolis, Minn.</i>	9 E. H.
Morse, Henry Boit	S	<i>Newtonville, Mass.</i>	5 F. H.
Morse, Park Ashley	C	<i>Plymouth, N. H.</i>	1 B. H.
Moseley, Robert Brainard	L	<i>Hyde Park, Mass.</i>	6 D. H.
Moulton, Gilman LaFayette	L	<i>York Corner, Me.</i>	The Wheelock
Mower, Penfield	C	<i>Rockford, Ill.</i>	31 F. H.
Muchmore, Harrie Langdon	S	<i>Portsmouth, N. H.</i>	22 S. H.
Nelson, Horace Alonsyus	S	<i>Old Town, Me.</i>	13 H. H.
Newcomb, Richard Bernard	S	<i>Quincy, Ill.</i>	The Wheelock
Newton, Francis Blanchard	S	<i>Wilder, Vt.</i>	19 N. Main St.
Nichols, Harry Howard	L	<i>Haverhill, Mass.</i>	26 Rn. H.
Nichols, Herbert Nathan Thomas	C	<i>Norwich, Vt.</i>	4 T. H.
Nolan, John Harrison	C	<i>Andover, Mass.</i>	19 N. Main St.
Norton, Daniel Capron	S	<i>New Britain, Conn.</i>	Davison Block
Nutt, Harry Garfield	S	<i>Worcester, Mass.</i>	3 College St.
O'Keefe, Arthur Thomas	C	<i>Portsmouth, N. H.</i>	22 S. H.
Oliphant, Harold Duncan	C	<i>Methuen, Mass.</i>	7 a T. H.
Orcutt, Leslie Warren	C	<i>Winthrop, Mass.</i>	8 College St.
Parker, Murray Nelson	L	<i>Littleton, N. H.</i>	12 Lebanon St.
Paul, Clarence Blauvelt	C	<i>Stoughton, Mass.</i>	16 Rd. H.
Pelkey, William Charles	L	<i>Concord, N. H.</i>	19 N. Main St.
Perham, Fred William	C	<i>Athol Centre, Mass.</i>	19 N. Main St.
Perry, Louis Irving	L	<i>North Billerica, Mass.</i>	20 C. H.
Phelps, Olney Draper	C	<i>Warren, Mass.</i>	9 College St.
Pierce, Henry Kingsbury	L	<i>Oak Park, Ill.</i>	19 S. Main St.
Poor, Fred Rollo	S	<i>Belfast, Me.</i>	14 H. H.
Porter, Carroll Winthrop	S	<i>Providence, R. I.</i>	14 H. H.
Rich, Charles James	S	<i>Norwood, Mass.</i>	32 N. Main St.
Ripley, John Barrett	L	<i>Troy, N. H.</i>	7 W. H.
Rix, Malcolm William	L	<i>Utica, N. Y.</i>	11 E. Wheelock St.

## STUDENTS

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Name	Course	Residence	Room
Robinson, Edward Kilburn	S	<i>Roxbury, Mass.</i>	1 E. H.
Robinson, Eton Brackett	C	<i>Brookline, Mass.</i>	A, S. H.
Roby, Harrison George	L	<i>Whitewater, Wis.</i>	30 N. Main St.
Rock, Mathew, Jr.	S	<i>New York, N. Y.</i>	19 Rn. H.
Roe, Alfred Isaac	C	<i>Brockton, Mass.</i>	48 S. Main St.
Rogers, William Barron	C	<i>Wakefield, Mass.</i>	12 D. H.
Rolfe, Hayward Percival	C	<i>Newtonville, Mass.</i>	43 F. H.
Rollins, Dillwyn Sidney	S	<i>Newburyport, Mass.</i>	11 Rd. H.
Root, Raymond Richmond	S	<i>Georgetown, Mass.</i>	18 F. H.
Russell, Walter Hall	L	<i>Plymouth, N. H.</i>	6 Rn. H.
Saben, William Morton	L	<i>Whitinsville, Mass.</i>	8 Rn. H.
Safford, Henry Barnard	C	<i>Barton Landing, Vt.</i>	23 N. Main St.
Sanborn, Bruce Walter	C	<i>St. Paul, Minn.</i>	47 F. H.
Sanderson, John Franklin	C	<i>North Bridgton, Me.</i>	9 Rd. H.
Sayles, Arthur Earle	L	<i>Uxbridge, Mass.</i>	8 Rn. H.
Scales, George Levi	S	<i>Exeter, N. H.</i>	6 Rd. H.
Sewall, Arthur Eugene	C	<i>York Village, Me.</i>	35 F. H.
Sexton, Ralph Emerson	C	<i>Nashua, N. H.</i>	5 D. H.
Shaw, William Thomas	L	<i>Middleboro, Mass.</i>	14 W. Wheelock St.
Sharpe, Howard Granville	C	<i>Washington, D. C.</i>	8 C. H.
Slayton, William Harvey	L	<i>Lebanon, N. H.</i>	8 College St.
Smith, Roscoe Brinker	C	<i>Norridgewock, Me.</i>	4 A. H.
Stone, Fred	L	<i>Windsor, Vt.</i>	8 H. H.
Stowell, Franklin Henry	S	<i>Worcester, Mass.</i>	3 College St.
Stratton, Roy Hubbard	C	<i>Gorham, N. H.</i>	The Wheelock
Streeter, Thomas Winthrop	L	<i>Concord, N. H.</i>	13 W. Wheelock St.
Sturtevant, Mills Gove	C	<i>Manchester, N. H.</i>	24 Rn. H.
Taplin, Harry Woolson	C	<i>Montpelier, Vt.</i>	25 Rn. H.
Terrien, Albert Bernard	L	<i>Nashua, N. H.</i>	19 N. Main St.
Tubbs, Charles Myron	C	<i>Gardner, Mass.</i>	25 S. Main St.
Uniac, Thomas Vincent	L	<i>Randolph, Mass.</i>	22 W. H.
Vail, LeRoy Benjamin	S	<i>Brooklyn, N. Y.</i>	11 H. H.
Watson, John Henry, Jr.	C	<i>Montpelier, Vt.</i>	23 N. Main St.
Webster, Leon Winfield	L	<i>Barre, Vt.</i>	4 D. H.
Weston, Charles Joseph	L	<i>Windsor, Vt.</i>	34 N. Main St.
Whittemore, Wilfred Dolloff	C	<i>Ashton, R. I.</i>	9 College St.
Whittier, John Boland	C	<i>Portland, Me.</i>	19 N. Main St.
Wiley, Ralph Nason	L	<i>Gardner, Mass.</i>	25 S. Main St.
Willard, Ira Orlando	C	<i>Norwich, Vt.</i>	Norwich, Vt.
Williamson, Chester Hollis	S	<i>Norwood, Mass.</i>	32 N. Main St.
Willis, Edward Simmons	S	<i>Warner, N. H.</i>	10 H. H.
Wing, Samuel Gibson	C	<i>Fairfield, Me.</i>	20 C. H.

Name	Course	Residence	Room
Wiswall, Thomas Augustus	s	<i>Newton Lower Falls, Mass.</i>	1 E. H.
Witham, Myron Ellis	s	<i>Pigeon Cove, Mass.</i>	1 Hd. H.
Withey, Morton Owen	s	<i>Woonsocket, R. I.</i>	1 W. H.
Woodbridge, Charles Kingsbury	s	<i>Middleboro, Mass.</i>	3 B. H.
Woods, Carl Fred	L	<i>W. Brookfield, Mass.</i>	11 E. Wheelock St.
Woodward, Guy Eric	s	<i>Randolph, Vt.</i>	4 D. H.
Wylie, Arthur Walter Perry	s	<i>Chelsea, Mass.</i>	38 F. H.
Young, George Henry	c	<i>Alton, N. H.</i>	8 College St.
Young, William Augustus	c	<i>Exeter, N. H.</i>	9 F. H.

## SUMMARY

GRADUATE STUDENTS	.	.	.	.	.	.	6
SENIORS	.	.	.	.	.	.	120
JUNIORS	.	.	.	.	.	.	142
SOPHOMORES	.	.	.	.	.	.	173
FRESHMEN	.	.	.	.	.	.	201
TOTAL	.	.	.	.	.	.	642

## DISTRIBUTION BY STATES

MASSACHUSETTS	.	.	259	NEW JERSEY	.	.	.	2
NEW HAMPSHIRE	.	.	170	CALIFORNIA	.	.	.	1
VERMONT	.	.	54	COLORADO	.	.	.	1
NEW YORK	.	.	44	INDIANA	.	.	.	1
MAINE	.	.	33	KANSAS	.	.	.	1
ILLINOIS	.	.	32	MISSOURI	.	.	.	1
CONNECTICUT	.	.	11	NEBRASKA	.	.	.	1
DISTRICT OF COLUMBIA	.	.	9	TENNESSEE	.	.	.	1
RHODE ISLAND	.	.	7	WISCONSIN	.	.	.	1
OHIO	.	.	4	NEW BRUNSWICK	.	.	.	1
PENNSYLVANIA	.	.	4	CHINA	.	.	.	1
MINNESOTA	.	.	3					



## TUCK SCHOOL STUDENTS

## SECOND YEAR

Name	Residence	Room
Blair, Walter, A.B.	<i>Boston, Mass.</i>	10 Hd. H.
Edwards, William Benjamin	<i>Everett, Mass.</i>	9 T. H.
Foster, Oliver Wallace, A.B.	<i>Milford, N. H.</i>	9 Hd. H.
Teague, Henry Nelson, A.B.	<i>Gloucester, Mass.</i>	1 Hd. H.

## FIRST YEAR

Briggs, Herbert Wilfred	<i>New York, N. Y.</i>	2 Rn. H.
Crowell, Mortimer Leggett	<i>Cleveland, O.</i>	A. A. Φ. House
Eckstorm, Paul Frederick Theodore	<i>Chicago, Ill.</i>	48 S. Main St.
Higgins, James Francis	<i>Barre, Vt.</i>	10 College St.
Hovey, Herbert Washburne	<i>Hanover, N. H.</i>	48 S. Main St.
Lowe, Frank William	<i>Boston, Mass.</i>	6 F. H.
McMillan, Edward Neil	<i>Boston, Mass.</i>	Observatory
Pingree, George Elmer	<i>Georgetown, Mass.</i>	22 C. H.
Robinson, George Edwin	<i>Brookline, Mass.</i>	6 F. H.
Sibley, Harold Thorndike	<i>Belfast, Me.</i>	4 Rn. H.
Ward, Richard, Jr.	<i>Lancaster, Mass.</i>	22 C. H.

## THAYER SCHOOL STUDENTS

## SECOND YEAR

Name	Residence	Room
Anderson, John Albert, B.S.	<i>Independence, Kan.</i>	48 S. Main St.
Fowler, Alvah Tennant, B.S.	<i>Pembroke, N. H.</i>	4 School St.
Holden, Charles Arthur, B.S.	<i>Hanover, N. H.</i>	11 E. Wheelock St.
Hoyt, Charles Hamilton, B.S.	<i>Washington, N. H.</i>	Thayer Building
Hutchinson, William Loveland, B.S.	<i>Norwich, Vt.</i>	Norwich, Vt.
Paddock, Clarence Erwin, B.S.	<i>East Berlin, Conn.</i>	3 College St.
Sargent, Charles, B.S.	<i>Walpole, N. H.</i>	4 School St.
Sears, Frank Dana, B.S.	<i>Hyde Park, Mass.</i>	Thayer Building
Smith, Samuel Justin, B.S.	<i>Windsor, Vt.</i>	4 W. Wheelock St.
Wood, John Hutchinson, B.S.	<i>Norwich, Vt.</i>	A. A. Φ. House

## INTERMEDIATE YEAR

(Students on leave of absence for field and office practice)

Name	Residence
Ash, John William, B.S.	<i>Manchester, N. H.</i>
Rodman, N. Y. C. & H. R. R. Co., Watertown, N. Y.	
Cate, Edgar Randal, B.S.	<i>Haverhill, Mass.</i>
Draftsman, Union Bridge Co., Athens, Penn.	
Gibson, Jasper Manlius, B.S.	<i>Clinton, Mass.</i>
Assistant, Metropolitan Water Board, Clinton, Mass.	
Norris, Arthur Henry, B.S.	<i>Hyde Park, Mass.</i>
Rodman, Union Pacific Railway, Sidney, Neb.	
Rich, Charles Augustus, B.S.	<i>Danvers, Mass.</i>
Assistant Engineer, Vermont Marble Company, Proctor, Vt.	
Risley, Wilfred Cary, B.S.	<i>Piermont, N. H.</i>
Draftsman, General Electric Company, Schenectady, N. Y.	
Sears, Horace Holmes, B.S.	<i>Hyde Park, Mass.</i>
Assistant Engineer, Boston Pneumatic Transit Company, Boston, Mass.	
Sprague, Embert Hiram, B.S.	<i>Haverhill, Mass.</i>
Engineer's Assistant, New England Telegraph and Telephone Company, Haverhill, Mass.	

## FIRST YEAR

Name	Residence	Room
Andrews, John Gilbert	<i>Newton Centre, Mass.</i>	44 F. H.
Chase, Charles Richard	<i>Rochester, N. H.</i>	48 S. Main St.
Crowell, John William	<i>Salem, N. H.</i>	54 F. H.
Cudworth, Frank Ezekiel	<i>Littleton, N. H.</i>	Thayer Building
Derickson, Donald	<i>Meadville, Penn.</i>	11 S. H.
Doane, Royal Belden	<i>Beckley, Conn.</i>	1 W. H.
Hunter, Edgar Hayes	<i>Medford, Mass.</i>	6 S. H.
Hutchins, Harry, A.B.	<i>Lancaster, N. H.</i>	21 H. H.
McIntyre, James Bradford	<i>Randolph, Vt.</i>	A. Δ. Φ. House
Marsh, Francis Beal	<i>Brooklyn, N. Y.</i>	5 Rd. H.
Newhall, Frank Warren	<i>Danvers, Mass.</i>	54 F. H.
Perkins, Locke McIndoe	<i>Windsor, Vt.</i>	7 H. H.
Richmond, Harold Samuel, B.C.E.	<i>Northfield, Vt.</i>	2 S. Park St.
Rugg, Warren Fuller	<i>Ware, Mass.</i>	25 S. H.
Sampson, George Arthur	<i>Middleboro, Mass.</i>	C. G. House
Stevens, Everett Mellen	<i>Nashua, N. H.</i>	6 S. H.
True, Albert Lyman	<i>Lancaster, Mass.</i>	14 Rn. H.
Whitaker, Earl Francis	<i>Woonsocket, R. I.</i>	25 S. H.

# MEDICAL STUDENTS

## FOURTH YEAR

Name	Residence	Room
Abbott, Charles Benjamin	<i>Bradford, N. H.</i>	54 S. Main St.
Albright, Clifford Brandt	<i>Williamson, N. Y.</i>	The Wheelock
Bakeman, Frank Albert	<i>Chelsea, Mass.</i>	8 W. South St.
Bates, Willard Asa	<i>Waterville, Me.</i>	Norwich, Vt.
Bisbee, Walter Griswold	<i>Springfield, Vt.</i>	29 Allen St.
Bryant, John Edmund	<i>Barton, Vt.</i>	14 School St.
Connor, Michael Edward	<i>Amesbury, Mass.</i>	19 Maple St.
Coolidge, John Wesley	<i>Hancock, N. H.</i>	15 School St.
Decker, Frederick Stanford	<i>Little Falls, N. Y.</i>	The Wheelock
Hatch, Laurence Brown	<i>St. Johnsbury, Vt.</i>	8 W. South St.
Hills, Charles Everett	<i>Union, Me.</i>	13 Maple St.
Lally, Francis Henry	<i>Worcester, Mass.</i>	14 Lebanon St.
Leathers, Enoch	<i>Hanover, N. H.</i>	10 S. Park St.
Lowd, Harry Mosher	<i>Swampscott, Mass.</i>	29 Allen St.
McBride, John	<i>Barnard, Vt.</i>	Medical Building
MacKenzie, Nicholas Young Bradford	<i>Ellsworth, Me.</i>	8 W. South St.
Marcley, Walter John, B.L., M.D.	<i>Rutland, Mass.</i>	The Wheelock
Marshall, Augustus Thompson	<i>Roxbury, Mass.</i>	9 College St.
Nelson, David	<i>Boston, Mass.</i>	19 Maple St.
Pearl, Leonard Silas	<i>Concord, N. H.</i>	4 College St.
Proctor, John Harvey, A. M.	<i>Hanover, N. H.</i>	10 N. Main St.
Scannell, Edward John	<i>West Lebanon, N. H.</i>	W. Lebanon, N. H.
Tabor, Edward Orlando, B.S.	<i>Hanover, N. H.</i>	3 School St.
Toye, John Ernest	<i>West Chelmsford, Mass.</i>	Medical Building
Walker, Charles Sidney	<i>Harrison, Me.</i>	The Wheelock
Watson, Maurice, A.B.	<i>Manchester, N. H.</i>	35 N. Main St.
White, Herbert Augustus	<i>Somerville, Mass.</i>	Medical Building
Whitmore, Albra	<i>Hanover, N. H.</i>	16 W. Wheelock St.
Worthen, Eugene Mark	<i>Holderness, N. H.</i>	14 School St.

## THIRD YEAR

Name	Residence	Room
Bugbee, Locke Harwood	<i>North Pomfret, Vt.</i>	5 W. Wheelock St.
Chase, Walter Lincoln, B.P.	<i>Newtonville, Mass.</i>	31 S. Main St.
Cowern, Ernest William	<i>Contoocook, N. H.</i>	5 W. Wheelock St.
Cullen, James Augustine	<i>Lonsdale, R. I.</i>	7 Maple St.
Folsom, Charles Albert, A.B.	<i>West Epping, N. H.</i>	Medical Building
Hill, Ernest Linwood	<i>West Townsend, Mass.</i>	5 W. Wheelock St.
Hopkins, Arthur Warren, A.B.	<i>Manchester, N. H.</i>	1 Maynard St.
Lord, Frederick Pomeroy, A.B.	<i>Hanover, N. H.</i>	37 College St.
Newhall, Alden Russell	<i>Lynn, Mass.</i>	29 Allen St.
Sanborn, Frederick Rodney, A.B.	<i>Somersworth, N. H.</i>	The Wheelock
Turner, George Henry, Jr.	<i>Portland, Me.</i>	5 College St.
Wilder, Ralph Spencer, B.S.	<i>Winchendon, Mass.</i>	Medical Building
Yeaton, George William	<i>Concord, N. H.</i>	29 Allen St.

## SECOND YEAR

Batchelder, Edward Carpenter,		
A.B.	<i>Pittsfield, N. H.</i>	35 N. Main St.
Butterfield, Clarence Egbert, B.L.	<i>Perkinsville, Vt.</i>	13 E. Wheelock St.
Carsley, Sidney Raymond	<i>New Portland, Me.</i>	8 Lebanon St.
Clark, William Edward, Jr., B.L.	<i>Charlestown, N. H.</i>	Medical Building
Curtis, George Walter	<i>Stanstead, P. Q.</i>	54 S. Main St.
Dalloff, Charles Hall, B.L.	<i>Everett, Mass.</i>	27 E. Wheelock St.
Downing, Arthur Taylor, A.B.	<i>Hanover, N. H.</i>	19 Allen St.
Dutton, Julius Maltby, A.B.	<i>Newport, Vt.</i>	9 College St.
Fitzpatrick, John Joseph	<i>Newport, R. I.</i>	7 Maple St.
Gates, George Cushman Coleman	<i>Gardner, Mass.</i>	25 S. Main St.
Hatch, Royal, A.B.	<i>Strafford, Vt.</i>	9 College St.
Holden, Nebuther	<i>Hanover, N. H.</i>	23 Allen St.
Marden, Martin Gould	<i>Philadelphia, Penn.</i>	19 Maple St.
Pollard, John William Hobbs,		
B.L.	<i>Haverhill, Mass.</i>	10 S. Park St.
Severance, Robert Nathaniel	<i>Leyden, Mass.</i>	16 W. Wheelock St.
Stickney, William, B.L.	<i>Bethel, Vt.</i>	Medical Building
Tarbell, Wallace Henry, B.L.	<i>Manchester, N. H.</i>	25 S. Main St.
Wallace, Arthur Lowell	<i>Hanover, N. H.</i>	23 Allen St.
Warden, John Bachop, B.S.	<i>Hanover, N. H.</i>	8 Lebanon St.
Weston, Henry Reuben, A.B.	<i>Windsor, Vt.</i>	34 N. Main St.
Woodman, James Brown, A.B.	<i>West Lebanon, N. H.</i>	Medical Building

FIRST YEAR

Name	Residence	Room
Bishop, Eliot	<i>Brooklyn, N. Y.</i>	23 C. H.
Bliss, George Stephen	<i>Lebanon, N. H.</i>	32 Lebanon St.
Bryant, Clarence Edmund	<i>Hyde Park, Mass.</i>	3 F. H.
Calderwood, Edward Swazey	<i>Roxbury, Mass.</i>	25 S. Main St.
Caverly, Fred Stickney	<i>Hanover, N. H.</i>	35 College St.
Clark, Harry Sylvester	<i>Randolph, Vt.</i>	17 W. H.
Closson, Gershom Loveland	<i>Springfield, Vt.</i>	29 Allen St.
Cobb, Gardner Nathan	<i>Strafford, Vt.</i>	5 H. H.
Cross, Ernest Samuel	<i>Exeter, N. H.</i>	3 Rn. H.
Curtis, Harlan Fuller	<i>Killingworth, Conn.</i>	34 F. H.
Dowd, John Edwin	<i>New Britain, Conn.</i>	Davison Block
Drake, Dean Spencer	<i>West Lebanon, N. H.</i>	40 S. Main St.
Hanson, William Thomas	<i>Milltown, Me.</i>	The Wheelock
Hedin, Carl Johan	<i>Croydon, N. H.</i>	32 Lebanon St.
Lawlor, James Francis	<i>East Douglas, Mass.</i>	21 School St.
Maguire, Eugene Leo	<i>Somerville, Mass.</i>	10 W. South St.
Merrill, Charles Henry	<i>Kennebunkport, Me.</i>	34 N. Main St.
Newcomb, Rush Frederick	<i>Union Village, Vt.</i>	13 E. Wheelock St.
O'Connell, Andrew Edward	<i>Worcester, Mass.</i>	21 School St.
Prescott, Charles Irville	<i>Meredith, N. H.</i>	K. K. K. House
Raphael, Joseph	<i>Brooklyn, N. Y.</i>	4 C. H.
Saxby, Earl Judson	<i>Lancaster, Mass.</i>	3 D. H.
Shanahan, Timothy Joseph	<i>Charlestown, Mass.</i>	10 W. South St.
Shanley, John Dawson	<i>Vernon, Conn.</i>	24 Maple St.
VanderHoof, Douglas	<i>San Francisco, Cal.</i>	4 Rn. H.
Whelan, Charles	<i>Weymouth Centre, Mass.</i>	15 S. H.

SUMMARY

FOURTH YEAR . . . . .	30
THIRD YEAR . . . . .	13
SECOND YEAR . . . . .	21
FIRST YEAR . . . . .	26
Total . . . . .	90

## SUMMARY OF STUDENTS

DARTMOUTH COLLEGE . . . . .	642
TUCK SCHOOL . . . . .	15
THAYER SCHOOL . . . . .	36
MEDICAL SCHOOL . . . . .	90
TOTAL (deducting for names inserted twice) . .	741

## DISTRIBUTION BY STATES

MASSACHUSETTS . . . . .	289	NEW JERSEY . . . . .	2
NEW HAMPSHIRE . . . . .	207	KANSAS . . . . .	2
VERMONT . . . . .	69	CALIFORNIA . . . . .	1
NEW YORK . . . . .	46	COLORADO . . . . .	1
MAINE . . . . .	40	INDIANA . . . . .	1
ILLINOIS . . . . .	32	MISSOURI . . . . .	1
CONNECTICUT . . . . .	13	NEBRASKA . . . . .	1
DISTRICT OF COLUMBIA . . . . .	9	TENNESSEE . . . . .	1
RHODE ISLAND . . . . .	9	WISCONSIN . . . . .	1
PENNSYLVANIA . . . . .	6	NEW BRUNSWICK . . . . .	1
OHIO . . . . .	4	PROVINCE OF QUEBEC . . . . .	1
MINNESOTA . . . . .	3	CHINA . . . . .	1

## ABBREVIATIONS

A. H. . . . .	Allen Hall	Hd. H. . . . .	Hubbard House
B. H. . . . .	Bartlett Hall	Rd. H. . . . .	Reed Hall
C. H. . . . .	Crosby House	Rn. H. . . . .	Richardson Hall
D. H. . . . .	Dartmouth Hall	S. H. . . . .	Sanborn House
E. H. . . . .	Elm House	T. H. . . . .	Thornton Hall
F. H. . . . .	Fayerweather Hall	W. H. . . . .	Wentworth Hall
H. H. . . . .	Hallgarten Hall		

## HONORS AND PRIZES

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### HENRY E. PARKER FELLOWSHIP

CLASS OF 1899. — Gordon Hall Gerould.

### RUFUS CHOATE SCHOLARS

SENIORS — Francis James Bradley, William Joseph Colbert, Harold Ripley Hastings, Frank Martin Howe, Homer Eaton Keyes, Franklin Crocker Lewis, Cornelius John Mahoney, Leon Burr Richardson, Harry LeBaron Sampson.

JUNIORS — Arthur Ela Buck, Eugene Madison Dow, Walter Hastings Lyon, George Frederick Somes, Rubert Henry Whitcomb.

FRESHMEN — Henry Erich Kasemere Ruppel.

## SPECIAL HONORS

### SENIORS

GREEK — Harold Ripley Hastings.

ANCIENT CLASSICS — Francis James Bradley.

CHEMISTRY — Leon Burr Richardson.

ZOOLOGY — Henry Reuben Weston.

## HONORS

### SENIORS

GREEK — Francis James Bradley.

ASTRONOMY — Frank Martin Howe.

HISTORY — Guy Andrews Ham.

PHILOSOPHY — Calvin Whitten Foss, Cornelius John Mahoney.

## HONORABLE MENTION

## SENIORS

GERMAN — Francis James Bradley.

POLITICAL SCIENCE — Harry LeBaron Sampson.

POLITICAL SCIENCE, ECONOMICS, and HISTORY — Harry LeBaron Sampson.

PHILOSOPHY — Cornelius John Mahoney.

## JUNIORS

GERMAN — Andrew Marshall, Clarence Lewis Phelps.

GRAPHICS — John Gilbert Andrews.

BOTANY — Douglas VanderHoof.

ZOOLOGY — Douglas VanderHoof.

## SOPHOMORES

LATIN — Leland Griggs.

FRENCH — Julius Arthur Brown.

GERMAN — Leland Griggs.

MATHEMATICS — Julius Arthur Brown, Hermon Waldo Farwell.

HISTORY — Frederick Oliver Bradley, Julius Arthur Brown, Hermon Waldo Farwell.

## PRIZES

*Grimes — English Composition — Seniors*

*First Prize* — GUY ANDREWS HAM.

*Second Prize* — LORING HOLMES DODD.

*Lockwood — English Composition — Juniors*

*First Prize* — ERNEST MARTIN HOPKINS.

*Second Prize* — JAMES STANFORD CLARK.



*Pacific Coast Alumni Association — American Literature —  
Sophomores*

GEORGE SELLERS GRAHAM.

*Rollins — Oratory — Juniors, Sophomores, and Freshmen*

*First Prize* — SHERMAN ARNOLD MURPHY (Freshman).

*Second Prize* — ANDREW MARSHALL (Junior).

*Third Prize* — ROBERT FRENCH LEAVENS (Junior).

*Smith — Extemporaneous Debate — Seniors*

*First Prize* — HARRY LEBARON SAMPSON.

*Second Prize* — GUY ANDREWS HAM.

*Class of 1866 — Original Orations — Juniors and Sophomores*

*First Prize* — ROBERT LEIGHTON SCALES (Junior).

*Second Prize* — ERNEST BRADLEY WATSON (Sophomore).

*Dramatic Composition — Seniors*

*First Prize* — GUY ANDREWS HAM.

*Second Prize* — HOMER EATON KEYES.

*Class of 1846 — Latin — Juniors*

*First Prize* — ARTHUR ELA BUCK.

*Second Prize* — No award.

*Atherton — Greek — Juniors*

*First Prize* — ARTHUR ELA BUCK.

*Second Prize* — GEORGE FREDERICK SOMES.

*Thayer — Mathematics — Sophomores*

*First Prize* — HERMON WALDO FARWELL.

*Second Prize* — ROBERT HENRY ELLIOTT.

*Pray — Modern Languages — Seniors*

*French* — WILLIAM JOSEPH COLBERT.

*German* — HOWARD MURRAY TIBBETTS.

*Grimes — General Improvement — Seniors*

FREDERICK WARREN JENKINS.

*Spalding — Mechanical Drawing — Juniors, Chandler  
Scientific Course*

*First Prize* — JOHN GILBERT ANDREWS.

*Second Prize* — JOHN WILLIAM CROWELL.

## DEGREES CONFERRED IN COURSE

### BACHELORS OF ARTS

Banning, Samuel Walker	Jenkins, Frederick Warren
Bigelow, Edward Bridge	Jennings, Frederick Everett
Blair, Walter	Jonakowski, Edmund Joseph
†Bradley, Francis James	Kimball, Arthur Stevens
Brooks, Robert Hartley	Leonard, Richard
Carrigan, Michael Thornton	*Lewis, Franklin Crocker
Chesley, Alfred Ervan	Long, John Hathaway
Cristy, Horace Wakefield	Mahoney, Cornelius John
Dearborn, Edmond Gerrish	Manion, Joseph William
Dickinson, William Clinton	Marshall, Harry Ignatius
Dodd, Loring Holmes	Martin, Arthur
Downing, Arthur Taylor	Merrill, George Frye
*Dunlap, Roger Allen	Metcalf, Frank Arthur
Dutton, Julius Maltby	Moulton, Horace Freeman
Emerson, Natt Waldo	Murray, Lindley Zechariah
Fairfield, Arthur Perry	Proctor, Charles Albert
Fletcher, Walter Holden	Rankin, Walter Poland
Foster, Oliver Wallace	Redington, John Chase
Fowler, Joseph Minot	Redington, Paul Goodwin
Gilson, Henry Brockway	Richardson, Harry Webb
Goodhue, Everett Walton	Roberts, Arthur Stanley
Guild, Frank Harvey	†Sampson, Harry LeBaron
Hadley, Augustus Andrew	Sanborn, Channing Tewksbury
Hadlock, Fred Herbert	Sawyer, LeRoy Robinson
Ham, Guy Andrews	Teague, Henry Nelson
†Hastings, Harold Ripley	Tibbetts, Howard Murray
Hatch, Royal	Tong, George William
Hayden, Arthur Bowers	Tuttle, Donald Dickey
Hildreth, George Kelsea	Tuttle, Leonard Wason
Holland, Harold May	*Weston, Henry Reuben
†Howe, Frank Martin	Woodman, James Brown
Hutchins, Harry	

Dunlap, George Harlan, '73  
McDonald, John Francis, '90

Folsom, Ralph Parker, '97  
Schwarm, Henry, '97

\* Cum laude.

† Magna cum laude.

‡ Summa cum laude.

## BACHELORS OF LETTERS

Barker, Edson Moulton	Merry, Louis Augustus
Buck, Burton Winthrop	Morse, Nathaniel Niles
Butterfield, Clarence Egbert	O'Sullivan, William Daniel
Clark, William Edward, Jr.	Phillips, Julian Wallingford
Cook, William Henry	Prouty, Leonard Albert
Davis, Harry Bertram	Rich, Dwight Bradley
Dolloff, Charles Hall	†Richardson, Leon Burr
Eaton, Roland Grosvenor	Salinger, Victor Randolph
Foss, Calvin Whitten	Stickney, William
†Keyes, Homer Eaton	Wentworth, Joseph
Lewis, Rutherford Thurman Lamar	
<hr/>	
Bittinger, Joseph Francis, '86	Morrison, Edwin John, '90

## BACHELORS OF SCIENCE

Arundel, Daniel Alphonsus	Norris, Arthur Henry
Ash, John William	Paddock, Clarence Erwin
Atwood, Fred Edwin	Prescott, Benjamin Franklin
Balkam, Gilbert	Rich, Charles Augustus
Barrows, Nathaniel Haven	Risley, Wilfred Cary
Brown, Edward Theodore	Rogers, Charles Warner
Cate, Edgar Randal	Sargent, Charles
Condit, Dayton Lord	Sears, Frank Dana
Corson, Freeman	Sears, Horace Holmes
Drew, Charles Allen	Sprague, Embert Hiram
Fowler, Alvah Tennant	Standish, Vaughan Ellis
Gibson, Jasper Manlius	Stevens, Sidney Francis
Hoyt, Charles Hamilton	Storrs, Edward Payson, Jr.
Jenkins, Harry Milo	Virgin, Arthur Russell
McDavitt, Clarence Godfrey	Warden, John Bachop
Mathes, John Ralph	Wood, John Hutchinson

Bittinger, Frederick William, '86

## CIVIL ENGINEERS (THAYER SCHOOL)

Clark, Harry Wallace	Oakes, Luther Stevens
Gilman, John Alfred	Watson, Herbert Leslie
Greenwood, Albert Henry	Whittier, Thomas Tupper
Nolan, George Henry	Winchester, Philip Harold

† Magna cum laude.

## DOCTORS OF MEDICINE

Ballard, Clarence Pressy	Meserve, John Shackford, B.S.
Barker, Ralph Higgins	Monahan, David Henry, A.B.
Barrows, Elmer Ashley	Norton, John Blakely, B.S.
Bartlett, Percy, A.B.	Paine, Robert Child
Buckley, James Joseph	Richards, Carl Taylor, B.L.
Carr, Burt Wilbur, A.B.	Rubert, Kennedy Furlong, A.B.
Elliot, William Thomas	Rumrill, Clinton Joseph, A.B.
Goodwin, Harold Carl	Russell, Walton Burton
Granger, Eugene Norton	Sanborn, Byron, A.B.
Hoag, Albert Buffum	Sargent, Elmer Ulysses
Hurd, Benjamin Porter	Sleeper, Karl Raymond
Ladd, Joseph Howard	Smith, Harvey Wilbur
Ladd, Samuel Tilden	Smith, William Eugene
Locke, George Scott, Jr.	Ward, Roy Joslyn, A.B.
McLaughlin, Patrick William	West, Hiram Batchelder

## MASTERS OF ARTS

Cook, Edwin Curley, A.B. (1892)    Tootell, Albert Ballard, A.B. (1899)

## HONORARY DEGREES

## MASTER OF ARTS

Charles Judson Hamblett

## DOCTORS OF DIVINITY

Justin Edwards Abbott (1876)    George Morgan Ward (1882)  
George Edward Street (Yale 1858)

## DOCTORS OF LAW

Henry Clay Ide (1866)  
Isaac Newton Blodgett (A.M. 1870)



DARTMOUTH COLLEGE





## FACULTY

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WILLIAM JEWETT TUCKER, PRESIDENT.

JOHN KING LORD, ACTING PRESIDENT OF THE FACULTY IN  
ABSENCE OF THE PRESIDENT.

CHARLES FRANKLIN EMERSON, DEAN OF THE FACULTY.

CHARLES HENRY HITCHCOCK, *Hall Professor of Geology  
and Mineralogy.*

GEORGE PUTNAM HUNTINGTON, *Instructor in Hebrew.*

GABRIEL CAMPBELL, *Stone Professor of Intellectual and  
Moral Philosophy.*

JOHN KING LORD, *Daniel Webster Professor of Latin.*

FRANK ASBURY SHERMAN, *Professor of Mathematics on  
the Chandler Foundation.*

CHARLES FRANCIS RICHARDSON, *Winkley Professor of  
English.*

MARVIN DAVIS BISBEE, *Librarian and Professor of Bibliog-  
raphy.*

THOMAS WILSON DORR WORTHEN, *Cheney Professor of  
Mathematics.*

EDWIN JULIUS BARTLETT, *New Hampshire Professor of  
Chemistry.*

JAMES FAIRBANKS COLBY, *Parker Professor of Law and  
Political Science.*

JOHN VOSE HAZEN, *Woodman Professor of Civil Engineering  
and Graphics on the Chandler Foundation.*

CHARLES DARWIN ADAMS, *Lawrence Professor of Greek.*

JUSTIN HARVEY SMITH, *Professor of Modern History.*

DAVID COLLIN WELLS, *Professor of Sociology.*

ROBERT LONGLEY TAYLOR, *Assistant Professor of French.*

WILLIAM PATTEN, *Professor of Zoölogy.*

GEORGE DANA LORD, *Associate Professor of Greek and of Greek Archaeology.*

HERBERT DARLING FOSTER, *Professor of History.*

EDWIN BRANT FROST, *Instructor in Astronomy.*

FRANK GARDNER MOORE, *Associate Professor of Latin and of Roman Archaeology.*

WARREN AUSTIN ADAMS, *Assistant Professor of German.*

FRED PARKER EMERY, *Willard Professor of Rhetoric and Oratory.*

ERNEST FOX NICHOLS, *Appleton Professor of Physics.*

LOUIS HENRY DOW, *Assistant Professor of French.*

HARRY EDWIN BURTON, *Assistant Professor of Latin.*

JOHN HIRAM GEROULD, *Instructor in Zoölogy.*

GEORGE RAY WICKER, *Instructor in Economics.*

JOHN HARVEY PROCTOR, *Instructor in Mathematics.*

FRANK HAIGH DIXON, *Assistant Professor of Economics.*

WILBUR CORTEZ ABBOTT, *Assistant Professor of History.*

GORDON FERRIE HULL, *Assistant Professor of Physics.*

CHARLES HENRY RICHARDSON, *Instructor in Chemistry and Mineralogy.*

ERNEST FELIX LANGLEY, *Instructor in French and Italian.*

ASHLEY KINGSLEY HARDY, *Instructor in German.*

GEORGE THOMAS MOORE, *Instructor in Botany.*

JOHN ELIOT ALLEN, *Instructor in Law.*

HERMAN HARRELL HORNE, *Assistant Professor of Philosophy and Pedagogy.*

RICHARD WELLINGTON HUSBAND, *Instructor in Greek.*  
CRAVEN LAYCOCK, *Assistant Professor of Oratory.*  
PRESCOTT ORDE SKINNER, *Instructor in French and Spanish.*  
HOWARD NELSON KINGSFORD, *Medical Director.*  
HENRY BARRETT HUNTINGTON, *Instructor in English.*  
WILLIAM KILBORNE STEWART, *Instructor in German.*  
ARTHUR AVERY BACON, *Instructor in Mathematics and Astronomy.*  
HOMER EATON KEYES, *Instructor in English.*

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HOWARD MURRAY TIBBETTS, *Assistant in the Dean's Office.*  
JOHN FRANCIS MAHAN, *Director of the Gymnasium.*

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## STANDING COMMITTEES OF THE FACULTY

1900-1901

ADMINISTRATION — The President, the Acting President, the Dean, Professor Wells (Senior class-officer), Professor Emery (Junior class-officer), Professor W. A. Adams (Sophomore class-officer), Professor C. D. Adams (Freshman class-officer).  
INSTRUCTION — Professors Patten (Chairman), Hazen, G. D. Lord, Dow, Burton, the Dean (*ex-officio*).  
ADMISSION — Professors C. D. Adams (Chairman), Sherman, Foster, Hull, Hardy, Mr. Huntington, the Dean (*ex-officio*).  
LIBRARY — Professors Wells (Chairman), Hitchcock, F. G. Moore, Abbott, Dr. Gerould.  
ATHLETICS — Professors Bartlett (Chairman), Worthen, Patten.  
ORGANIZATIONS OTHER THAN ATHLETIC — Professors G. D. Lord (Chairman), Dixon, Laycock.  
GRADUATE INSTRUCTION — Professors Colby (Chairman), Campbell, Smith, Nichols, Horne.

## COURSES OF INSTRUCTION

The College offers three parallel Courses of instruction, each requiring four years of study :

The Classical Course, leading to the degree of B.A.

The Latin-Scientific Course, leading to the degree of B.L.

The Chandler Scientific Course, leading to the degree of B.S.

The studies in each of the three Courses are mainly prescribed throughout Freshman year.

The Classical Course comprises during this period Greek, Latin, Mathematics, either French or German, and English.

The Latin-Scientific Course is the same as the Classical, except that advanced work in French or German is prescribed in place of Greek.

The Chandler Scientific Course substitutes for Greek and Latin additional work in Mathematics, Science, Modern Languages, and Graphics.

After Freshman year the prescribed studies are the same in each of the three Courses, and include History, Physics, Economics, English Literature, Philosophy, and Law.

Elective studies are open to all students of the three Courses alike, and each student may take any elective offered, provided that his previous work has prepared him for its pursuit.

Members of the Chandler Scientific Course may substitute for the elective studies of Senior year, the work of the first year in the Thayer School of Civil Engineering. They may be candidates for the degree of B.S. with their Class, and after a second year of work in the Thayer School they may receive the degree of C.E. The conditions for such an election will be found under the Thayer School of Civil Engineering.

The Amos Tuck School of Administration and Finance is open to members of the Senior Class under the following conditions : — Students of approved ability, of three years undergraduate standing,

who have taken the prescribed work in History, Economics, and Political Science, and one elective in each of the departments of History, of Economics, and of Sociology, together with two years of prescribed and elective work in English Composition and Argumentation, and the elementary courses in two of the three languages — German, French, and Spanish — may elect the first year course in the Tuck School for their work of Senior year. At the close of the year, they may formally graduate from the College with the Bachelor's degree for which they entered. After a year of graduate study in the Tuck School, they become eligible to the certification of that School.

Students who intend to enter the Medical Department may receive credit for the first year of the medical course by electing such studies as are prescribed for that year, and by registering in the Medical Department at the opening of Senior year. The conditions for such an election will be found under the Medical School.

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## REQUIREMENTS FOR ADMISSION

All candidates for admission to college must offer satisfactory testimonials of good moral character; and those who have been members of other colleges must present certificates of regular dismission.

Candidates for admission to the Freshman class in the Classical Course must present satisfactory qualifications in the following subjects, according to specifications given under each subject: English, History I, Mathematics I, Latin, Greek.

Candidates for admission to the Freshman class in the Latin-Scientific Course must present satisfactory qualifications in the following subjects, according to specifications given under each subject: English, History I *or* II, Mathematics I, Latin, French *or* German, and *one* of the three sciences, Chemistry, Physics, Biology.

Candidates for admission to the Freshman class in the Chandler

Scientific Course must present satisfactory qualifications in the following subjects, according to specifications given under each subject: English, History I or II, Mathematics I and II, French or German, and *two* of the three sciences, Chemistry, Physics, Biology. In place of Mathematics II, candidates may present two years of a second modern language, or of Latin.

## SUBJECTS WITH SPECIFICATIONS

### ENGLISH

Two sets of books are prescribed for preparation in English, one for reading, the other for more careful study. No candidate will be accepted in English whose work is notably deficient in point of spelling, punctuation, idiom, or division into paragraphs. The requirement consists of two parts.

I. Reading — A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and be able to answer simple questions on the lives of the authors; he must also show the ability to write a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number — perhaps ten or fifteen — set before him. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may be allowed to present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books.

The books set for this part of the requirement will be:

In 1901, 1902, Shakespeare's *The Merchant of Venice*; Pope's *Iliad*, Books i, vi, xxii, and xxiv; The Sir Roger de Coverley Papers in *The Spectator*; Goldsmith's *The Vicar of Wakefield*; Coleridge's *The Ancient Mariner*; Scott's *Ivanhoe*; Tennyson's *The Princess*; George Eliot's *Silas Marner*; Lowell's *The Vision of Sir Launfal*; Cooper's *The Last of the Mohicans*.

In 1903, 1904, 1905. — Shakespeare's *The Merchant of Venice* and *Julius Cæsar*; The Sir Roger de Coverley Papers in *The Spectator*; Goldsmith's *The Vicar of Wakefield*; Coleridge's *The Ancient Mariner*; Scott's *Ivanhoe*; Carlyle's *Essay on Burns*; Tennyson's *The Princess*; George Eliot's *Silas Marner*; Lowell's *The Vision of Sir Launfal*.

II. Study and Practice. — This part of the requirement presupposes the thorough study of each of the works named below. The test will be upon subject-matter, form, and structure.

The books set for this part of the requirement will be :

In 1901, 1902. — Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

In 1903, 1904, 1905. — Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

### HISTORY (including Historical Geography)

Either of the two following groups, each including two fields of historical study: — [But candidates for classical course *must* present I].

I. *Greek and Roman History*. — (a) Greek History to the death of Alexander, with due reference to Greek life, literature, and art. (b) Roman History to the accession of Commodus, with due reference to literature and government.

II. *English and American History*. — (a) English History, with due reference to social and political development. (b) American History, with the elements of Civil Government.

For preparation in each of the two historical fields presented (a) or (b) a course of study equivalent to at least three lessons a week for one year (or five recitations for one year for the two fields together) will be necessary.

The preparation and examination call for: (1) such general knowledge of each field as may be acquired from the study of an accurate text-book of not less than 300 pages, supplemented by suitable parallel

readings amounting to not less than 300 pages; (2) geographical knowledge tested by the location of places, movements, or territorial changes on an outline map (by physical features wherever possible, as well as by political features); (3) comparisons between historical characters, periods, or events; (4) in general the exercise of judgment and the power to combine results of reading in orderly fashion. The last two requirements must be met in part by some forms of written work.

The following list will indicate the nature and amount of work required in text-books and supplementary readings.

*Greek History* — *Either* (a) Oman's or Myers' History of Greece, with additional reading,

*or* (b) Fyffe's Greece, Sheldon's Studies, and 400 pages additional reading,

*or* (c) Fyffe; Curtius' History of Greece, Book i, Ch. i; Book iii, Ch. iii; and *either* (1) Plutarch's Lives of Aristides and Demosthenes, *or* (2) Curtius' History of Greece, Book ii, Ch. iv.

*Roman History* — *Either* (a) Allen's Short History of the Roman People, and 300 pages additional reading,

*or* (b) both Creighton's Rome and Sheldon's Studies, and 400 pages additional reading,

*or* (c) Creighton's Rome; Tighe's Development of the Roman Constitution; and *either* (1) Froude's Cæsar, Ch. xiv, xxvi-xxviii, Plutarch's Lives of Cato the Elder and Cicero, and the comparisons of Cato with Aristides, and of Cicero with Demosthenes; *or* (2) Beesly's The Gracchi, Marius, and Sulla.

*English History* — *Either* Higginson and Channing's English History for Americans, or Ransome's Short History of England, *or* Montgomery's Leading Facts of English History, *or* Gardiner's English History for Schools, *or* Gardiner's Student's History, each with at least 300 pages additional reading, which may be selected from the following list: — Guest's Lectures on English History, Green's Short History of the English People, Ch. i and Ch. vi, sections iii-vii, Freeman's Short History of the Norman Conquest, Mrs. J. R. Green's Henry II, Creighton's Age of Elizabeth, Gardiner's Puritan Revolution, Macaulay's History of England, Ch. iii, Woodburn's "Lecky's American Revolution," Seeley's Expansion of England.



*American History*—*Either* (a) Channing's Students' History of the United States or Johnston's History of the United States for Schools, each with 200 pages additional reading,

or (b) Higginson's Young Folks' History of the United States, through Ch. xvi, together with 200 pages additional reading and *either* (1) Channing's United States 1765-1865, or (2) Johnston, from beginning of Period V,

or (c) Higginson; Lodge's English Colonies, Ch. ii and xxii; Morse's John Quincy Adams, Ch. ii and iii; Josiah Quincy's Figures of the Past.

## MATHEMATICS I

Thorough drill in Arithmetic is of vital importance in the study of Mathematics. Facility in the use of integral and fractional numbers should be acquired in the lower grades and retained by the use of numerical examples through the high school course. Short processes and decimals including the metric system should be used habitually. It is assumed that this fundamental work has been done.

*Algebra*—The fundamental operations, simple equations with applications to problems involving two or more unknown quantities, the principles of factoring, involution and evolution applied to expressions containing fractional and negative exponents, radicals including imaginaries and radical equations, quadratic equations with applications to problems involving two unknown quantities.

*Plane Geometry*—The ordinary propositions relating to rectilinear figures, the measure of angles, proportion and similar figures, regular polygons, circles, areas, constructions and computations involving applications of the more important propositions, original propositions.

## MATHEMATICS II

*Algebra*—Including equations in quadratic form, inequalities, indeterminate equations, proportion, variation, the three progressions, binomial formula for any exponent, convergency of series, and undetermined coefficients, as treated in a college algebra.

*Geometry*—Solid Geometry, the ordinary propositions relating to right lines and planes in space, to the measurements of prisms, cylinders, pyramids, cones, frustums, the sphere and portions of its surface and volume, the solution of problems involving the computation and comparison of the surfaces and volumes of the cylinder, cone, frustum of cone, sphere, and their principal inscribed and circumscribed solids.

*Trigonometry*—Plane Trigonometry, the theory of the functions and their relations so far as to furnish formulae for the computation of the tables and the solution of right and oblique triangles, the use of logarithmic and trigonometric tables in the solution of problems.

### LATIN

A knowledge of the Latin language sufficient to enable the student —

I. To translate at sight passages of Latin prose and verse, and to answer questions on ordinary forms, constructions, and idioms, and on prosody.

II. To pass a thorough examination on Cicero's speeches against Catiline, ii, iii, and iv, directed to testing the candidate's mastery of ordinary forms, constructions, and idioms of the language.

III. To translate into Latin prose a passage of connected English narrative, based on some portion of the Latin prose works usually read in preparation for college, and limited to the subject-matter of those works.

Careful attention should be given from the beginning to the correct pronunciation of Latin words, both as to quantity and to syllabication. Such pronunciation greatly aids the study of prosody, and is indispensable to the correct reading of Latin poetry.

The following course of study in Latin is suggested as adequate to secure the proficiency desired :

FIRST YEAR — FIVE LESSONS A WEEK

*First and Second Terms* — Introductory Lessons.

*Third Term* — Easy reading, such as Fables, Viri Romæ, Eutropius, etc., (15 to 25 pages<sup>1</sup>). Practice in reading at sight<sup>2</sup> and in writing Latin.<sup>3</sup> Systematic study of grammar begun.

SECOND YEAR — FIVE LESSONS A WEEK

*First Term* — Easy reading continued (15 to 25 pages). Nepos or Cæsar (15 to 20 pages<sup>4</sup>).

*Second Term* — Cæsar (30 to 40 pages<sup>5</sup>).

*Third Term* — Ovid's Metamorphoses (750 to 1000 lines).

Practice in reading at sight and in writing Latin, with systematic study of grammar throughout the year.

THIRD YEAR — FIVE LESSONS A WEEK

*First Term* — Vergil's Æneid (750 to 1000 lines<sup>6</sup>). Cicero, against Catiline, i and ii. Practice in reading at sight and in writing Latin. Grammar.

*Second and Third Terms* — Cicero, against Catiline, iii and iv. Cæsar (45 to 60 pages), and Ovid (500 to 750 lines), mainly for practice in reading at sight. Thorough grammatical review and practice in writing Latin, both based on study of Cicero, against Catiline, ii-iv.

<sup>1</sup> Teubner pages are the standard.

<sup>2</sup> "Reading at sight" is used as a convenient phrase to denote the reading of the Latin text, with understanding of the sense, independently of or preliminary to the formal rendering into idiomatic English; and by "practice in reading at sight" is meant not merely the translation of unprepared passages in class, but also the inculcation of correct methods of reading, to be used by the candidate in preparing assigned passages. Reading the Latin aloud is an indispensable part of this practice.

<sup>3</sup> Writing Latin throughout the course should be based upon the prose authors read, and should advance from simple sentences to connected passages.

<sup>4</sup> E. g., B. G. ii (17 1-2 pages).

<sup>5</sup> E. g., B. G. i (33 1-2 pages) or iii and iv (34 pages).

<sup>6</sup> Book i contains 756 lines.

## FOURTH YEAR — FIVE LESSONS A WEEK

Cicero (45<sup>1</sup> to 60 pages). Vergil (4000<sup>2</sup> to 6000 lines).<sup>3</sup> Practice in reading at sight and in writing Latin. Grammar.

## ADMISSION BY CERTIFICATE

Candidates for admission by certificate must present certificates covering Cicero's speeches against Catiline, and at least 110 Teubner pages of other Latin prose, and 6000 lines of poetry. Additional prose will not be accepted for any part of the required poetry.

## GREEK

A knowledge of the Greek language sufficient to enable the student —

I. To translate at sight passages of Attic prose and of Homer, and to answer questions on ordinary forms, constructions, and idioms, and on prosody.

II. To pass a thorough examination on Xenophon's *Anabasis*, Book ii, directed to testing the candidate's mastery of ordinary forms, constructions, and idioms of the language.

III. To translate into Greek prose a passage of connected English narrative, based on some portion of the Greek prose works usually read in preparation for college, and limited to the subject-matter of those works.

The following course of study in Greek is suggested as adequate to secure the proficiency desired:

## FIRST YEAR.—FIVE LESSONS A WEEK

*First and Second Terms* — Introductory Lessons.

*Third Term* — Xenophon's *Anabasis* (20 to 30 pages). Practice in reading at sight and in writing Greek. Systematic study of grammar begun.

<sup>1</sup> *E. g.*, pro Archia, de lege Manilia, and pro Marcello (46 pages).

<sup>2</sup> Books ii–vi of the *Æneid* contain 3999 lines.

<sup>3</sup> Prosody should be taken up in connection with the study of Latin poetry, and in reading metrically, constant attention should be given both to the rhythm and the thought.

SECOND YEAR — FIVE LESSONS A WEEK

Xenophon's *Anabasis* (continued), either alone or with other Attic prose (85 to 120 pages). Practice in reading at sight. Systematic study of grammar. Thorough grammatical review and practice in writing Greek, both based on Books i and ii of the *Anabasis*.<sup>1</sup>

THIRD YEAR — FIVE LESSONS A WEEK

Homer (2500<sup>2</sup> to 5000<sup>3</sup> lines). Prosody should be taken up in connection with the study of Homer, and in reading metrically, constant attention should be given both to the rhythm and the thought. Attic prose (25 to 40 pages<sup>4</sup>) with practice in writing Greek. Grammar. Practice in reading at sight.

ADMISSION BY CERTIFICATE

Candidates for admission by certificate must present certificates covering Books i and ii of Xenophon's *Anabasis*, and at least 60 Teubner pages of other Attic prose, and 2500 lines of Homer.

FRENCH

I. A thorough knowledge of accidence and a familiarity with the essentials of French syntax.

II. The ability to translate at sight ordinary French prose into simple, idiomatic English.

III. The ability to translate into French a connected passage of English based on the text read.

<sup>1</sup> Writing Greek throughout the course should be based upon the prose authors read, and should advance from simple sentences to connected passages.

<sup>2</sup> *E. g.*, *Iliad* i-iv (omitting ii, 494 — end) and vi. The increase in the requirements in Homer from three books to five is made on the assumption that the attention paid to reading at sight will enable the candidate to advance more rapidly.

<sup>3</sup> *E. g.*, *Iliad* i-iii (omitting ii, 494 — end) and vi-viii.

<sup>4</sup> Making a total of 130-190 pages of Attic prose, equivalent to four to six books of the *Anabasis*. Good equivalents for a part of the *Anabasis* will be found in Xenophon's *Hellenica*, *Cyropædia*, *Œconomicus*, and in the *Orations* of Lysias.

IV. The ability to write ordinary French at dictation.

V. The ability to pronounce French well.

The following course of study is suggested as adequate to secure the proficiency desired :

#### FIRST YEAR — FIVE LESSONS A WEEK

Drill in pronunciation. The rudiments of grammar, including the conjugation of regular verbs and of the more frequent irregular verbs ; the inflection of nouns and adjectives (except the rare forms) ; the uses of articles, pronouns, common adverbs, prepositions, and conjunctions ; the order of words in the sentence, and the elementary rules of syntax. The translation into French of simple English sentences illustrating the common forms and principles of grammar. The reading of 300 duodecimo pages of simple French prose, with constant practice in turning into French easy variations of the text read. Oral translation and writing of French at slow dictation.

The following texts are suggested as suitable reading for the first year : Mérimée's *Colomba*, Halévy's *L'Abbé Constantin*, Jules Verne's *Le Tour du monde en quatre-vingts jours*, About's *Le Roi des montagnes*, Lamartine's *Jeanne d'Arc*, Labiche and Martin's *Le Voyage de M. Perrichon*, Malot's *Sans Famille*, Legouvé and Labiche's *La Cigale chez les fourmis*, Erckmann-Chatrian's *L'Histoire d'un paysan* and *Le Conscriit de 1813*, Dumas' *La Tulipe noire*.

#### SECOND YEAR — FIVE LESSONS A WEEK

By this time the pupil should be familiar with accidence, and the grammar work should be confined to the study of syntax, with composition exercises illustrating its essential rules.

About 550-600 duodecimo pages of French prose of ordinary difficulty should be read, and the pupil should be drilled in pronunciation, in oral and written translations into French of variations of the text read, in oral translation and writing of French from dictation, and, in addition, he should be required to give French paraphrases and abstracts of portions of the reading matter.

The following texts are suggested as suitable reading for the second year : Loti's *Pêcheur d'Islande* ; Augier's *Le Gendre de M. Poirier*, Balzac's *Le Curé de Tours*, Coppée's and Daudet's *Stories*, Molière's

L'Avare and Le Bourgeois gentilhomme, Sandeau's Mademoiselle de la Seiglière, Vigny's La Canne de jonc; Sand's La Mare au diable and La petite Fadette.

# GERMAN

- I. Ability to pronounce German well.
- II. Ability to translate *at sight* a passage of German *prose* of *ordinary difficulty*.
- III. Ability to put into German a connected passage of simple English *paraphrased* from a given German text, or to turn simple English sentences into German without a model.
- IV. Ability to answer any *grammatical* questions relating to *usual* forms and *essential* principles of the language, including syntax and word-formation.
- V. Ability to translate, and to explain, if explanation is called for, a passage of *classical* literature taken from some text previously studied.

The following course of study in German is suggested as adequate to secure the proficiency desired :

## FIRST YEAR — FIVE LESSONS A WEEK

(1) *Pronunciation* — Careful attention should be given to the acquisition of a correct pronunciation.

The imitation of the teacher's pronunciation will be the chief factor in the problem; dictation and a knowledge of the rudiments of phonetics will be found very helpful. The attention of the teacher is called to Hempl's German Orthography and Phonology, and to Grandgent's German and English Sounds.

(2) *Memorizing and frequent repetition of easy colloquial sentences* (with variations).

*Object* — to develop feeling for the language.

(3) *Rudiments of Grammar* (*thoroughly* learned and studied with *exercises*).

Declension of articles, nouns (taken from the language of every-day life), adjectives, pronouns. Comparison of adjectives. Auxiliary verbs (of tense and mood). Weak verbs, more usual strong verbs, more usual prepositions and the cases they govern, more usual conjunctions. Sentence order. Elementary syntax.

Joynes-Meissner German Grammar recommended.

- (4) *Reading* (narrative prose with some poetry), 150 pages.  
*either* (a) a Reader with graduated selections followed by short stories,  
 or (b) Märchen and short stories in graduated texts. Storm's  
 Immensee, Zschokke's Der zerbrochene Krug (edition Joynes), Einer  
 Muss Heiraten, and similar stories and plays are recommended.  
 (5) *Paraphrasing*—Constant practice in translating into German  
*easy variations* upon sentences in the reading lesson.

#### SECOND YEAR — FIVE LESSONS A WEEK

- (1) *Reading* (narrative prose chiefly, a comedy and one classic),  
 250-300 pages.

The following course is suggested:—

- (a) Short stories—Heyse: L'Arrabbiata (edition Lenz); Riehl:  
 Vierzehn Nothelfer. (b) Selection from historical prose—in Hoff-  
 mann's Historische Erzählungen the selection Der deutsch-franzö-  
 sische Krieg (edition Beresford-Webb). (c) A comedy—Benedix:  
 Dr. Wespe or Der Prozesz. (d) One classic—Goethe: Hermann  
 und Dorothea (edition Thomas). (e) 50 pages of Freytag's prose.

- (2) *Paraphrasing*—Constant practice in variations upon texts  
 read.

- (3) *Grammar*—(a) Drill upon essentials (continued). (b) En-  
 largement of grammatical knowledge.

- (4) *Word-formation*—Rudiments.

#### CHEMISTRY

Acquaintance by laboratory work with elementary processes and  
 with the properties of substances common in Chemistry; familiarity  
 with the chemical notation in its experimental and arithmetical mean-  
 ing, including the ability to solve simple problems based on the rela-  
 tions expressed by formulas and equations; understanding and ability  
 to use correctly the ordinary terms of Descriptive Chemistry. Bart-  
 lett's Laboratory Exercises, Parts i-v (exclusive of Class i, Part ii),  
 or equivalent. A certified note-book of laboratory work must be pre-  
 sented at the time of examination. The candidate should have had in  
 addition recitations based upon any good elementary descriptive text-  
 book through the non-metallic and metallic elements.



To meet the above requirement, at least 110 hours of elementary chemistry are necessary, one-half laboratory work, illustrating the preparation and the properties of the substances ordinarily treated in elementary chemistry. Qualitative Analysis will not be accepted as an equivalent for the laboratory work prescribed.

## PHYSICS

The equivalent of at least one hundred and ten one-hour exercises, of which as many as forty should be practical exercises in the laboratory. The student is expected, in the time devoted to the laboratory work, to perform at least forty experiments, and to have kept a neat and orderly record of the same in a note-book, described in his own words. This note-book should bear the certification of the instructor and be presented for inspection at the time of the entrance examinations to College.

The student should be taught, as far as possible, to apply the simpler principles of Algebra and Geometry to the solution of practical problems in Physics.

Any one of the following texts or manuals may be recommended for use in secondary schools preparing students for Dartmouth College: Elements of Physics, Carhart and Chute; Elements of Physics, Crew; A Text-Book of Physics, Hall and Bergen; Outlines of Physics, Nichols; Elements of Physics, Gage.

## BIOLOGY

I. *Zoölogy* — The equivalent of fifty one-hour exercises, consisting mainly of laboratory work in the study of the structure and life-histories of representative animals.

The candidate will be required to present a certified note-book, containing complete records of the conditions under which his observations were made, as well as the observations themselves; also sketches of all the animals, or their organs, that have been studied.

No work necessitating the use of a compound microscope is required.

Work like that outlined in Needham's Elementary Lessons in Zoölogy will be acceptable.

II. *Botany* — The equivalent of fifty one-hour exercises, consisting mainly of laboratory work on the natural history of plants.

The candidate must present a note-book containing the notes and drawings he has made, and bearing the endorsement of his teacher certifying that the book is a true record of the pupil's own observations. The presentation of an herbarium is not required, and no weight will be given this evidence of work done unless it illustrates some definite problem in plant relationship.

No work necessitating the use of a compound microscope is required.

Bergen's *Elements of Botany* or Spaulding's *Introduction to Botany*. If Gray's lessons are used, they must be supplemented with additional physiology and the use of some such book as Coulter's *Plant Relations*.

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## METHODS OF ADMISSION

Admission to the Freshman class in College is gained either by examination or by certificate.

### ADMISSION BY EXAMINATION

Candidates in 1901 will present themselves with their credentials at the Dean's office at one of the following hours, for registration and admission to the examinations:

On Thursday, June 20, at 8.30 A.M. and 2.30 P.M.; on Friday, June 21, at 8.30 A.M. and 2.30 P.M.; on Saturday, June 22, at 8.30 A.M.

On Monday, September 9, at 2.30 P.M.; on Tuesday, September 10, at 8.30 A.M. and 2.30 P.M.; on Wednesday, September 11, at 8.30 A.M. and 2.30 P.M.

Examinations for admission are held in the English Room (E.), Culver Hall, as follows:

In Greek, and French or German, on Thursday, June 20, at 9 A.M., and Monday, September 9, at 3 P.M.

In History, on Thursday, June 20, at 3 P.M., and Tuesday, September 10, at 9 A.M.

In Mathematics, on Friday, June 21, at 9 A.M., and Tuesday, September 11, at 3 P.M.

In Latin and the Sciences, on Friday, June 21, at 3 P.M., and Wednesday, September 11, at 9 A.M.

In English, on Saturday, June 22, at 9 A.M., and on Wednesday, September 11, at 3 P.M.

Examinations for admission to the Freshman class (but not to higher classes) will also be held on the above specified days in June, in Manchester, N. H.; St. Johnsbury and Bellows Falls, Vt.; Boston (at the DeMeritte School), New York City, and Chicago, at places to be announced in the local newspapers or by personal notice to applicants; provided that the number of candidates for examination, preliminary or final, in any of the places named shall warrant it. All application for examinations in June at these places should be made to the Dean before June 10th.

The College is also prepared to hold an examination for admission to the Freshman class (but not to higher classes) on the above-named days in June in any city or at any school where the number of candidates for examination, preliminary or final, and the distance from other places of examination may warrant it, provided that applications for this purpose be made to the Dean before June 1st.

#### PRELIMINARY EXAMINATIONS

Candidates for admission to the Freshman class are allowed to take a partial examination, one year before their matriculation, on the following subjects:

Mathematics: Geometry.

Latin: 1. The translation at sight of simple prose and verse.

2. A thorough examination on Cicero's speeches against Catiline ii, iii, and iv, directed to testing the candidate's mastery of the ordinary forms, constructions, and idioms of the language; the test to consist, in part, of writing simple Latin prose, involving the use of such words, constructions, and idioms only, as occur in the speeches prescribed.

Greek: 1. The translation at sight of simple Greek prose.

2. A thorough examination on Xenophon's *Anabasis*, Book ii, directed to testing the candidate's mastery of the ordinary forms, constructions, and idioms of the language; the test to consist, in part, of writing simple Greek prose, involving the use of such words, constructions, and idioms only, as occur in the portion of Xenophon prescribed.

French : Grammar, including composition, and translation of works read during first year, as indicated under the requirements in French.

German : Grammar, including composition, and translation of works, as indicated under the first year requirements in German.

In this examination no condition will be imposed, and a failure in any subject will necessitate the re-examination of the candidate in the department to which that subject belongs.

Candidates who have passed the examination will receive certificates for the work done, and these certificates, when presented in the following year, but not later, will be received in place of an examination, in the subjects mentioned in them.

#### ADMISSION BY CERTIFICATE

In place of examinations, certificates will be received from preparatory schools which have been approved by vote of the Faculty. No school will be approved that has not an established, regular, and thorough course of preparation for college, and all schools which desire to be placed on the list of "approved schools" should send to the Dean of the Faculty for a printed form of application, containing the conditions for the approval of a school and the requirements which must be met. Approval of a school will be withdrawn whenever it appears that the work of the school does not reach the standard desired by the College. No certificate will be accepted from a private tutor or instructor.

Certificates should meet the requirements in full ; the candidate will be examined on any requirement not covered by the certificate, but if the certificate makes exceptions in more than a third of the departments of study required for admission, it will not be accepted, and the candidate will be examined on all the requirements.

Certificates must be made out on blanks furnished by the Dean of the Faculty, and it is requested that they be sent to him at the close of the school year.

### MATRICULATION

After registration and the acceptance of the examination papers or certificates at the office of the Dean, and the payment of the tuition for the first semester at the office of the Treasurer, the student will receive his matriculation papers from the President of the College.

Freshmen whose attendance and scholarship are unsatisfactory during the first semester will be dropped from College at the close of the semester; this action will ordinarily be taken in the case of Freshmen who fail to make recitation standing in two or more courses, or who fail in three or more examinations, or who, having entered on conditions, show by the unsatisfactory character of their current work that they are unable to continue without further preparation. If a student admitted on certificate, and subsequently dropped from the Freshman class on account of poor scholarship, applies for readmission to College, he must pass examination in those subjects in which he failed to make a passing mark; if admitted by examination with conditions, he must remove the conditions by examination before being readmitted.

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### ADVANCED STANDING

Candidates for advanced standing are examined, in addition to the studies required for admission, in those which have been pursued by the class which they propose to enter, or in others equivalent to them. Certificates from schools are not accepted for studies which are offered for advanced standing.

Students from other Colleges, which require the same or equal terms of admission with Dartmouth, and which offer the same or equal courses of study, will be credited with the work for which they bring the record of full standing in their letters of transfer.

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### SPECIAL STUDENTS

Persons who desire to attend the lectures and recitations of particular departments only, may have that privilege, provided they give evidence that they are fully prepared to enter upon the studies of such

departments, and provided also, they represent so much general training as may entitle them to undertake college work. Students who are enrolled as members of classes, but who fail in one or more studies, are not allowed to become special students, but are required, if they remain in College, to make up the studies in which they failed, with the class below. No provision is made for partial in distinction from special students.

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### RESIDENT GRADUATE STUDENTS

Instructions to graduate students who wish to take courses leading to graduate degrees, may be found on page 147.

Graduates of this or any other College, desirous of pursuing their studies in residence, without reference to a degree, may attend the public lectures of the College, and use the library, laboratories, apparatus, and scientific collections, subject to such rules as the Faculty may establish.

## DEPARTMENTS OF INSTRUCTION

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### GREEK

PROFESSOR ADAMS, ASSOCIATE PROFESSOR LORD, AND MR.  
HUSBAND

Courses 5 and 6 alternate with Courses 11 and 12.

Courses 11 and 12 are given in 1900-1901.

Figures in brackets indicate number of exercises a week.

1. Homer: *Odyssey*. Systematic study of Epic forms and syntax. Lectures on the beginnings of Greek Literature and on Homeric Antiquities. First Semester, fifty-four exercises, [3].

PROFESSOR LORD AND MR. HUSBAND.

2. (a) Introduction to Greek Oratory. Selections from Gorgias, Antiphon, Lysias, and Isocrates. Lectures on Greek History. Writing Greek based on Lysias. This course is given to Division I. Second Semester, fifty-four exercises, [3]. PROFESSOR ADAMS.

2. (b) Selections from Herodotus. Xenophon's *Œconomicus*. Study of Attic Syntax. Lectures on Greek History. Writing Greek based on the *Œconomicus*. This course is given to Division II. Second Semester, fifty-four exercises, [3].

PROFESSOR ADAMS AND MR. HUSBAND.

3. Lyric Poetry. Rapid reading of selections. Lectures on the relations of Lyric poetry to contemporary life, and on the development of its types. First Semester, thirty-six exercises, [2].

PROFESSOR LORD.

3. (a) Greek Oratory. Demosthenes: *De Corona*. The reading course is preceded by a careful study of the history of Greece from the close of the Peloponnesian war to the death of Alexander, with lectures upon the significance of the struggle with Philip. The oration is studied with special emphasis upon its rhetorical features. The

minute study of a small portion of the text is made the basis of an introduction to textual criticism. Writing Greek: exercises based on Demosthenes. Open to students who had 2 (a) in Freshmen year. First Semester, fifty-four exercises, [3]. PROFESSOR ADAMS.

3. (b) Greek Oratory. Selections from Demosthenes. Introductory studies in history as in 3 (a). Open to students who had 2 (b) in Freshman year. First Semester, fifty-four exercises, [3].

PROFESSOR ADAMS.

4. Greek Drama I. Sophocles: *Œdipus Tyrannus*. This course is designed as a general introduction to Drama. Lectures on the development of Greek Drama. Second Semester, fifty-four exercises, [3].

PROFESSOR LORD.

4. (a) Greek Drama II. Aristophanes: *The Clouds* and *Knights*. History of Greek Comedy. Attitude of the comic writers toward current events and the sophistic movement. Second Semester, thirty-six exercises, [2].

MR. HUSBAND.

5. Greek Drama III. *Æschylus: The Oresteia*. The three dramas will be studied in part by class translation, and in part by readings and lectures by the instructor. Lectures on dramatic criticism. Themes in connection with dramatic criticism. First Semester, fifty-four exercises, [3].

PROFESSOR ADAMS.

6. Greek Drama IV. Euripides: *Iphigenia among the Taurians*, and *Alcestis* will be read. Lectures on the construction of theatres in Greece, and discussion of problems in the staging of Greek plays. Second Semester, fifty-four exercises, [3].

PROFESSOR LORD.

7. Greek Language I. Systematic treatment by lectures of the development of the uses of the Cases. Parts of the Oration on the Crown are made the basis of practice in writing Greek, and of the study of particular words, idioms, and constructions, by individual assignment of topics: this special work is reported in a final thesis. The moods are studied topically, from Goodwin's *Moods and Tenses* and articles in the *American Journal of Philology*. Open to those only who have taken Course 3, a or b. First Semester, fifty-four exercises, [3].

MR. HUSBAND.

8. Greek Language II. This is a continuation of Course 7, including constant practice in writing Greek and an introduction to



Greek Phonetics. Giles's Manual of Comparative Philology will be used as a text-book. Assignment of systematic reading in the library. Open to those only who have taken Course 7. Second Semester, fifty-four exercises, [3].  
MR. HUSBAND.

9. Greek Language III. This is a continuation of Course 8, including writing Greek in translation from English Orators, and the study of Homeric and Attic forms in their historical development as traced in the preceding course. First Semester, eighteen exercises, [1].  
MR. HUSBAND.

10. History of Greek Literature. Lectures upon the development of Greek Literature and its relation to the political and artistic development of the Greek people. Rapid reading of selections from some authors not included in the preceding courses. Second Semester, fifty-four exercises, [3].  
PROFESSOR ADAMS.

11. Greek Philosophy. Plato: The Phædo and Selections. Introduction to Platonism. Collateral reading in the History of Greek Philosophy. First Semester, fifty-four exercises, [3].  
PROFESSOR ADAMS.

12. Greek History. Some attention will be given to the method of the most significant modern writers on Greek History, but the course is designed principally to introduce the student to the immediate study, from the sources, of Athens during the two generations following the Persian wars. Epigraphical evidence particularly will be examined. Second Semester, fifty-four exercises, [3].  
PROFESSOR LORD.

13. Greek Archæology I. Introduction to the study of Architecture, Sculpture, and Painted Vases. This course informs the student of the sources and the more important characteristics of the materials for Greek Archæology. Constant use is made in this course and in Course 14 of the Sullivan collection of photographs purchased by contributions from alumni. First Semester, fifty-four exercises, [3].  
PROFESSOR LORD.

14. Greek Archæology II. Sculpture: Study by manuals and by lectures. Independent studies from photographs and casts are required. This course in Greek Art is independent of Course 13 and is open to all students in the Classical Course. Ability to read French and German is very desirable, but will not be required at present. Second Semester, fifty-four exercises, [3].  
PROFESSOR LORD.

## LATIN

PROFESSOR J. K. LORD, ASSOCIATE PROFESSOR MOORE, AND  
ASSISTANT PROFESSOR BURTON

Courses 7 and 7 a, 8 and 8 a, 9 and 9 a, 16 and 16 a, 18 and 19  
are given in alternate years respectively.

1. (a) Livy: Selections from Books xxi and xxii, with reading at sight. (b) Terence: Phormio. Scenic antiquities. Exercises in composition on the basis of the texts. First Semester, fifty-four exercises, [3]. PROFESSORS LORD, MOORE, AND BURTON.

2. Horace: Odes and Epodes. Second Semester, fifty-four exercises, [3]. PROFESSORS LORD, MOORE, AND BURTON.

3. Cicero: Letters. Catullus. Lectures on various topics suggested by the text. First Semester, fifty-four exercises, [3].  
PROFESSOR BURTON.

4. Pliny: Letters. Tibullus. Second Semester, fifty-four exercises, [3].  
PROFESSOR BURTON.

5. Tacitus: Germania and Agricola. The Germania will be read as a historical document, according to a topical arrangement of the material it contains. With the Agricola will be connected a study of Roman rule in Britain. Some attention will be given to Latin composition. First Semester, thirty-six exercises, [2].

PROFESSOR MOORE.

6. Tacitus: Histories. Selections, with special reference to the style of the historian. Latin Composition. Second Semester, thirty-six exercises, [2].  
PROFESSOR MOORE.

7. Cicero: Brutus. As far as possible, fragments of Roman oratory illustrative of Cicero's judgments will be read, and also passages from his other works that deal with his own theory and practice of oratory. Each student will be required to study carefully a speech of Cicero, and to prepare and to read before the class an essay upon it. Latin composition will form a part of the course. First Semester, seventy-two exercises, [4].  
PROFESSOR LORD.

7 a. Latin Literature. Selections from different authors illustrating the development of the literature. Lectures will be given upon the

literature and upon individual authors, and essays and reports upon subjects assigned for special study in connection with the course will be required of the students. Exercises in Latin composition. First Semester, fifty-four exercises, [3].

[1901-1902.]

PROFESSOR LORD.

8. Horace: Satires and Epistles, with special reference to the social life of the times. Second Semester, fifty-four exercises, [3].

PROFESSOR LORD.

8 a. Seneca: Essays and Epistles. Second Semester, fifty-four exercises, [3].

PROFESSOR LORD.

[1901-1902.]

9. Lucretius: Selections, chiefly from Books i, iii, and v of the *De Rerum Natura*. The course concerns itself rather with the original poetry of Lucretius than with his borrowed philosophy. Epicurus' teachings, however, are discussed at some length. First Semester, fifty-four exercises, [3].

[1901-1902.]

PROFESSOR BURTON.

9 a. Plautus and Seneca. The *Trinummus* and the *Captives* of Plautus will be read in the class, and in addition each student will be required to read one play by himself, and to make report upon it before the class. The *Medea* and *Phædra* of Seneca. First Semester, fifty-four exercises, [3].

PROFESSOR MOORE.

10. Justinian: *Institutes*, with select passages from Gaius and the *Digest*. Second Semester, thirty-six exercises, [2].

PROFESSOR MOORE.

12. Latin Composition. A course adapted to the needs of those who intend to teach Latin. Select Colloquies of Erasmus will be read as models for the familiar style. Original composition, mainly epistolary. Open only to those who have taken elective courses in Latin. Second Semester, eighteen exercises, [1].

PROFESSOR MOORE.

13. Latin Epigraphy I. This course aims to acquaint students with the nature and use of inscriptions, together with the means available for their study. A selection from the inscriptions of the republic, mainly to illustrate the development of the language in its formative period. First Semester, eighteen exercises, [1].

PROFESSOR BURTON.

14. Latin Epigraphy II. The reading and interpretation of inscriptions from the time of the empire, chosen with reference to their historic interest, or their bearing upon life and manners. In exceptional cases, and with the consent of the instructor, this course may be elected by students who have not taken Course 13. Second Semester, eighteen exercises, [1]. PROFESSOR MOORE.

16. Roman Satire. The development of this form of literature will be considered in its various phases. The class will read selections from Merrill's *Fragments of Roman Satire* and some of the *Satires of Horace, Persius, and Juvenal*. Second Semester, thirty-six exercises, [2]. PROFESSOR BURTON.

[1901-1902.]

16a. The Topography of Rome. The course is open only to those who can read Latin with facility. It will consist chiefly of lectures, illustrated by plans and photographs. Collateral reading and short papers will be required of the students. The work will include a discussion of the excavations at Pompeii. Second Semester, thirty-six exercises, [2]. PROFESSOR BURTON.

18. Roman Archæology I. An outline of the subject, under the following heads: (*a*) the Etruscans, (*b*) Architecture, (*c*) Painting and house decoration, (*d*) Sculpture, (*e*) Mosaic, (*f*) Pottery, (*g*) Metal-working, including coins, (*h*) Gems, (*i*) Sites of archæological interest in various parts of the empire. The course aims to follow Roman art in its various branches down into the third century. Each student will be required to take some special subject for a paper, and to read passages assigned in Pliny the Elder and Vitruvius. Second Semester, thirty-six exercises, [2].

[1901-1902.]

PROFESSOR MOORE.

19. Roman Archæology II. This course begins with the age of Diocletian, follows the later stages of decline in the West, together with the new impulse from the East, and passes over from Roman art into the early Romanesque. Special attention will be given to the paintings of the catacombs, to the churches of Rome and Ravenna, with their mosaics. Course 18 is not a necessary pre-requisite, nor is the use of Latin absolutely essential. But students who are able to do so will be expected to use original sources and present a thesis based upon such work. Of the other students, similar papers will

be required, representing a certain acquaintance with authorities in French or German. First Semester, thirty-six exercises, [2].

PROFESSOR MOORE.

## HEBREW

DR. HUNTINGTON

2. Bissell's Practical Introductory Hebrew Grammar and Exercises. Reading at sight of chapters of Genesis and Psalms. Recitations. Second Semester, fifty-four exercises, [3].

## ENGLISH

PROFESSORS RICHARDSON AND EMERY, ASSISTANT PROFESSOR LAYCOCK, DR. HARDY, AND MESSRS. HUNTINGTON AND KEYES

1. English Composition and Rhetoric. An introduction to the study of Rhetoric, with the preparation and criticism of themes, and constant reference to printed examples of correct and incorrect style. (Hill's Foundations of Rhetoric and Hill's Principles of Rhetoric.) First Semester, thirty-six exercises, [2].

PROFESSOR LAYCOCK AND MESSRS. HUNTINGTON AND KEYES.

2. (a) English Composition and Rhetoric. A continuation of Course 1. (Wendell's English Composition and Pearson's Elementary Composition.) Second Semester, thirty-six exercises, [2].

MESSRS. HUNTINGTON AND KEYES.

2. (b) Oratory. A course in the elements of Public Speaking with weekly declamations and orations. Second Semester, eighteen exercises, [1].

PROFESSOR LAYCOCK.

3. Argumentative Composition and Oratory. Lectures, Recitations, Briefs, and Forensics, with daily practice in the application of rhetorical and oratorical principles to argumentation. (Baker's Principles of Argumentation.) First Semester, seventy-two exercises, [4].

PROFESSOR LAYCOCK AND MR. HUNTINGTON.

4. Argumentative Oratory. This is a continuation of Course 3, and is open only to such students as have passed in that course. It will consist of the preparation of numerous briefs and forensics for debate, and daily practice in Oratorical Argumentation. Second Semester, seventy-two exercises, [4].

PROFESSOR LAYCOCK AND MR. HUNTINGTON.

5. Advanced English Composition, with daily and fortnightly themes. This course is open to Seniors and Juniors, and to such Sophomores, who do not elect English 3, as are competent to pursue and profit by the course. First Semester, fifty-four exercises, [3].

PROFESSOR EMERY [MR. HUNTINGTON].

5. (a) Voice Culture and the History of Oratory; Lectures, Recitations, and Exercises in Voice Culture. Theses will be written and delivered before the class by the students in this course. (Hardwicke's History of Oratory and Orators.) First Semester, fifty-four exercises, [3].

PROFESSOR LAYCOCK.

6. English Criticism. The history and comparison of the various schools of criticism in England and America, with constant application of the principles of criticism to English and American writers. Daily and weekly reports on assigned readings will be required. This course is open only to such students as have passed in English 5. (Winchester's Principles of Literary Criticism.) Second Semester, fifty-four exercises, [3].

PROFESSOR EMERY.

[Not offered in 1900-1901.]

7. English Literature. Recitations, with assignments of readings, daily illustrations from representative authors, and frequent lectures, designed to set forth the philosophy of literature, and the relation of English writers to their predecessors and contemporaries. (Taine's English Literature.) First Semester, fifty-four exercises, [3].

PROFESSOR RICHARDSON [PROFESSOR EMERY].

8. American Literature. Lectures, recitations, and daily readings from representative authors, with discussions tending toward the development of independent critical power. (Richardson's American Poetry and Fiction.) Second Semester, fifty-four exercises, [3].

PROFESSOR RICHARDSON [PROFESSOR EMERY].

9. Old and Middle English. This course is open only to such students as have attained an average rank of 75 in all their previous English courses. (Smith's Old English Grammar; Corson's Selections from Chaucer's Canterbury Tales.) First Semester, fifty-four exercises, [3].

[Not offered in 1900-1901.]

PROFESSOR RICHARDSON.

10. English Lyric Poetry. (Palgrave's Golden Treasury.) Second Semester, fifty-four exercises, [3].

PROFESSOR RICHARDSON [PROFESSOR EMERY].

11. Old English. Essentials of phonology and accidence. Reading of selections, mainly prose. This course is open to such Seniors and Juniors as have attained an average rank of 75 in all their previous English courses. (Bright's Anglo-Saxon Reader.) First Semester, fifty-four exercises, [3].

DR. HARDY.

13. The English Drama. Lectures on the history of the Drama, from the Miracle Plays to the Closing of the Theatres, with constant reading, and oral and written criticism of the plays considered. First Semester, fifty-four exercises, [3].

PROFESSOR EMERY.

14. Shakespeare. The critical and appreciative study of Shakespeare's plays, with lectures upon Shakespeare as a dramatic artist. Weekly reports upon assigned readings will be required. This course is a continuation of Course 13, and is open only to such students as have passed in that course. Second Semester, fifty-four exercises, [3].

PROFESSOR EMERY AND MR. HUNTINGTON.

15 and 16. Advanced English Composition, with weekly themes, reports, and criticisms. First and Second Semesters, thirty-six exercises, [1].

PROFESSOR EMERY.

## FRENCH

ASSISTANT PROFESSORS DOW AND TAYLOR AND MESSRS. LANGLEY  
AND SKINNER

### I

#### GRAMMAR AND TRANSLATION

1. First Year Course. Pronunciation; Elements of Grammar (Fraser and Squair, Part I) with oral and written exercises to illustrate their application; translation and sight-reading of easy French prose (Fraser and Squair's French Reader, Erckmann-Chatrian, *Contes fantastiques*); memorizing and simple paraphrasing in French of portions of the text read. First Semester, fifty-four exercise, [3].

PROFESSOR TAYLOR AND MR. SKINNER.

2. Continuation of Course 1. Translation and sight-reading of simple French prose (Mérimée, *Colomba*; Halévy, *l'Abbé Constantin*; Dumas, *la Tulipe noire*); easy dictations in French. Second Semester, fifty-four exercises, [3].

PROFESSOR TAYLOR AND MR. SKINNER.

Courses 1 and 2 are prescribed for Freshmen in the Latin-Scientific and the Chandler Scientific Courses who do not offer French for admission to college, and for Freshmen in the Classical Course who do not elect German and who are not eligible to a higher course. Either course may be elected after Freshman year, by students in the Classical Course not entitled to enter a more advanced course. A separate division, made up of students who have had a slight preparation in French will be formed for the sake of pursuing somewhat more advanced work than that of the other divisions.

3. Second Year Course. Grammar and composition-exercises to illustrate the essential rules of syntax; translation and sight-reading of ordinary French prose. (About, *le Roi des montagnes*; Dumas, *Monte-Cristo*; Sarcey, *le Siège de Paris*; George Sand, *la Mare au diable*); memorizing and paraphrasing of portions of the text; drill in pronunciation; writing simple French at dictation. First Semester, fifty-four exercises, [3].

PROFESSOR DOW AND MESSRS. LANGLEY AND SKINNER.

4. Continuation of Course 3. Vigny, *la Canne de jonc*; Hugo, *Quatre-vingt-treize*; Balzac, *Eugénie Grandet*, and several modern French comedies. Second Semester, fifty-four exercises, [3].

PROFESSOR DOW AND MESSRS. LANGLEY AND SKINNER.

5. Third Year Course. A careful review of syntax (Fraser and Sqair's Grammar) with practice in writing in French connected passages of English based upon a French model; translation and sight-reading of more difficult French prose and poetry, with grammatical analyses involving a more thorough knowledge of syntax; dictations in French. First Semester, fifty-four exercises, [3].

PROFESSOR DOW.

6. Continuation of Course 5. Reading and study of some of the masterpieces of French literature (Corneille, *le Cid*; Racine, *Athalie*; Molière, *l'Avare*, *les Fourberies de Scapin*, *le Malade imaginaire*; La Fontaine, *Fables*; Beaumarchais, *le Mariage de Figaro*; Chateau-



briand, *les Aventures du dernier Abencerage*; Hugo, *Hernani*. More rapid dictation of French; writing in French of brief abstracts of portions of the works read. Second Semester, fifty-four exercises, [3].

PROFESSOR DOW.

Courses 5-6 are prescribed for Freshmen in the Latin-Scientific and the Chandler Scientific Courses who offered French for admission to college. They may be elected by students who have passed in Courses 3-4 or by those who have had an amount of French equivalent to the requirements for admission to the Latin-Scientific and the Chandler Scientific Courses.

7. French Prose. Reading Course. Especially designed to meet the needs of students who wish to acquire a wide vocabulary and a reading knowledge of French that may be of service to them in connection with other studies. Composition used only as an aid to accurate translation and grasp of idiom; a large amount of translation and sight-reading of modern French prose, including a wide range of authors and a variety of vocabulary and style. Open to students who have passed in Courses 3-4 or in the *advanced* division of Courses 1-2. First Semester, fifty-four exercises, [3].

PROFESSOR TAYLOR AND MR. LANGLEY.

8. Continuation of Course 7. Second Semester, fifty-four exercises, [3].

PROFESSOR TAYLOR AND MR. LANGLEY.

## II

### COMPOSITION AND CONVERSATION

9. Elementary Course. Grandgent's *French Composition* will be used as a text-book the first part of the course, and will be followed by exercises based upon some modern French prose work. In addition to the regular work in composition, there will be practice in writing from dictation. Open to students who have passed in Courses 3-4, or in the *advanced* division of Courses 1-2. First Semester, thirty-six exercises, [2].

MR. SKINNER.

10. Continuation of the above. Second Semester, thirty-six exercises, [2].

MR. SKINNER.

11. Advanced Course. Practice in speaking and writing French. Dictations, readings, and talks in French. The aim of the course is

to enable the student to understand readily spoken French, to train him in the use of common idioms, and to familiarize him with the characteristic features of French public and private life, as subject-matter for conversation. Open to students who have passed in Courses 5-6, or Courses 7-8, and to such other students as may satisfy the instructor of their ability to do the work of the course. First Semester, thirty-six exercises, [2]. PROFESSOR DOW.

12. Continuation of Course 11. Open only to students who have taken that course. Second Semester, thirty-six exercises, [2].

PROFESSOR DOW.

### III

#### LITERATURE

13. General Survey of French Literature. In this course students will be given an opportunity to become acquainted with many of the greatest works in French literature. After the *Récits extraits des poètes et prosateurs du moyen-âge*, of Gaston Paris, and one essay of Montaigne, works of the following authors will be read: Corneille, Racine, Molière, Sévigné, and Saint-Simon. In addition to the reading, occasional themes in both French and English will be required from the students. Open to students who have passed in Courses 5-6, and, by permission of the instructor, to such others as may be able to do the work of the course. First Semester, fifty-four exercises, [3].

PROFESSOR TAYLOR.

14. Continuation of Course 13. Special attention in this course will be paid to authors of the eighteenth and nineteenth centuries. The class will read selections from the works of Voltaire, Beaumarchais, Chénier, Chateaubriand, Balzac, George Sand; Poems by Alfred de Musset, Alfred de Vigny, Th. Gautier, Leconte de Lisle, Verlaine, Heredia, and Sully-Prudhomme. Second Semester, fifty-four exercises, [3].

PROFESSOR TAYLOR.

15. History of French Literature in the Seventeenth Century. A study of the origin and development of the various forms, with particular attention to the classic French theatre. Reading in class of the following: Corneille, *le Cid*, *Polyeucte*; Racine, *Andromaque*, *Britannicus*, *Athalie*; Molière, *l'Avare*, *le Misanthrope*, *le Médecin malgré lui*, *le Bourgeois gentilhomme*, *les Femmes savantes*; La

Fontaine, *Selected Fables*. Memorizing of selected passages; lectures, themes, collateral reading, and reports. Open to those students who have passed in Courses 13-14, and to such others as may satisfy the instructor of their ability to do the work of the course. First Semester, fifty-four exercises, [3].

[Offered in 1901-1902.] PROFESSOR DOW AND MR. LANGLEY.

16. Continuation of Course 15. Second Semester, fifty-four exercises, [3].

[Offered in 1901-1902.] PROFESSOR DOW AND MR. LANGLEY.

17. History of French Literature in the Nineteenth Century. A study of the French and the foreign origins of romanticism in France; of the conflict between romanticism and classicism; of the origin and growth of realism; of the influence of the Northern literatures in France, and of the more recent movements in French literature. Lectures, reading in class, themes, weekly reports, and collateral reading. Open to those students who have passed in Courses 13-14, and to such others as may satisfy the instructor of their ability to do the work of the course. First Semester, fifty-four exercises, [3].

PROFESSOR DOW AND MR. LANGLEY.

18. Continuation of Course 17. Second Semester, fifty-four exercises, [3].

PROFESSOR DOW AND MR. LANGLEY.

19. French Literature of the Sixteenth Century. The object of this Course will be a study of the moral and intellectual features of the transition from mediæval to modern times as they appear in the writers of the French Renaissance period. *Le seizième Siècle*, Darmestetter-Hatzfeld (Paris, 1893), will be used as a hand-book. There will be at first a short study of the state of the French language in the sixteenth century. Montaigne, Rabelais, Marot, Ronsard, and other representative authors will be read. Open to those students who have had either Courses 15-16 or 17-18, and to such others as may satisfy the instructor of their ability to do the work of the course. First Semester, fifty-four exercises, [3].

[Offered in 1901-1902.]

PROFESSOR TAYLOR.

20. Continuation of Course 19. Second Semester, fifty-four exercises, [3].

[Offered in 1901-1902.]

PROFESSOR TAYLOR.

## SPANISH

MR. SKINNER

1. Elementary Course in grammar, composition, and reading. The object of the course is to enable the student at the end of the year to translate easy English into Spanish, and to read with little difficulty modern prose.

The text-books used will be as follows : Edgren's *Spanish Grammar* ; Matzke's *Spanish Reader* ; Alarcón, *El Capitán Veneno* ; Galdós *Doña Perfecta* ; Moratín "*El Sí de las Niñas*" ; Ford's *Spanish Composition*. First Semester, fifty-four exercises, [3].

2. Continuation of the above. Second Semester, fifty-four exercises, [3].

Students are not allowed to elect Spanish 1 and 2, and Italian 1 and 2 in the same year.

3. Advanced Spanish. Reading and Composition.

In this course attention will first be paid to the more important contemporary writers, and afterwards to the classic authors of the sixteenth and seventeenth centuries. The whole or parts of the following works will be read : Cervantes, *Don Quixote* ; Calderón, *El Alcalde de Zalamea*, *Lazarillo de Tormes* ; and novels by Alarcón, Valdés, and Valera. The works of some modern authors will be read outside the class-room. First Semester, fifty-four exercises, [3].

4. Continuation of the above. Second Semester, fifty-four exercises, [3].

## ITALIAN

MR. LANGLEY

1. Elementary Course in grammar, composition, and reading.

Text-books to be used : Grandgent's *Italian Grammar* and *Italian Composition* ; Bowen's *Italian Reader* ; Goldoni's *Un Curioso Accidente*, and a considerable number of works by modern authors. First Semester, fifty-four exercises, [3].

2. Continuation of above. Second Semester, fifty-four exercises, [3].

Courses 1 and 2 may be elected by all Seniors and Juniors ; also by Sophomores who have passed French 5 and 6, or German 5 and 6, or the equivalent of these.

Students are not allowed to elect Italian 1 and 2 and Spanish 1 and 2 in the same year ; hence those planning to take two years of both Italian and Spanish in their college course must elect Italian 1 and 2 in their Sophomore year, provided they meet the three years' requirement of French or German referred to above.

3. Italian Literature of the Fourteenth Century, with special reference to Dante. Most of the year will be devoted to a careful interpretative study of the *Divina Commedia* (Scartazzini's edition) of which the *Inferno* will be read complete, the *Purgatorio* and the *Paradiso* in the selections of Ancona e Bacci, *Manuale della letteratura italiana*, vol. I. Selections from the *Rime* of Petrarch (Ancona e Bacci, *Manuale*, vol. I) and the *Decamerone* of Boccaccio (Fornaciari, *Novelle scelte*). A study of the history of the literature during the period : lectures, collateral reading, and reports. First Semester, fifty-four exercises, [3].

4. Continuation of Course 3. Second Semester, fifty-four exercises, [3].

Courses 3 and 4 are open only to those who have passed Courses 1 and 2.

## GERMAN

ASSISTANT PROFESSOR W. A. ADAMS, DR. HARDY, AND MESSRS.  
STEWART AND HUSBAND

1. Elementary (*First Year*). (a) Pronunciation, (b) Memorizing and frequent repetition of easy colloquial sentences, (c) Rudiments of Grammar with exercises (Joynes-Meissner), (d) Reading selections from Hewett's German Reader, (e) Constant practice in translating into German easy variations upon sentences selected from the reading lesson, (f) Reading at sight. First Semester, fifty-four exercises, [3].

PROFESSOR ADAMS, DR. HARDY, AND MR. STEWART.

2. Continuation of Course 1.—(a), (b), (c), (d), (e), (f), continued. Heyse: *L'Arrabbiata* (edition Lenz). Second Semester, fifty-four exercises, [3].

PROFESSOR ADAMS, DR. HARDY, AND MR. STEWART.

Students taking Course 1 *must* also take Course 2 the next Semester. Courses 1 and 2 are prescribed for Freshman in the Latin-Scientific and the Chandler Scientific Courses who do not offer German for admission to college, and for Freshmen in the Classical Course who do not elect French on entering and are not eligible to Courses 3 and 4 or 5 and 6. Courses 1 and 2 may also be elected later than Freshman year by students in the Classical Course not qualified to enter a more advanced course.

3. Elementary (*Second Year*). Riehl: *Der Fluch der Schönheit* (edition Thomas). Hoffmann: *Historische Erzählungen* (edition Beresford-Webb). Benedix: *Doctor Wespe*. Grammar, paraphrasing of texts read, word-formation. First Semester, fifty-four exercises, [3].

PROFESSOR ADAMS AND MESSRS. STEWART AND HUSBAND.

Course 3 is a continuation of Courses 1 and 2. Students having had Courses 1 and 2, and wishing to continue their German, *must* choose Course 3. Students taking Course 3 are expected to elect Course 4 the next Semester.

4. Continuation of Course 3. Keller: *Romeo und Julia auf dem Dorfe* (edition Adams). Goethe: *Hermann und Dorothea* (edition Thomas). Historical Prose. Seidel: *Herr Omnia* (edition Matthewman). Grammar, paraphrasing of texts read or of outside texts. Second Semester, fifty-four exercises, [3].

PROFESSOR ADAMS AND MESSRS. STEWART AND HUSBAND.

5. Advanced (*Third Year*). Heine: *Prose* (edition A. B. Faust). Heine: *Poems* (edition White). Freytag: *Die Journalisten* (edition Johnson). Grammar, paraphrasing of texts, word-formation. First Semester, fifty-four exercises, [3].

MR. STEWART.

6. Continuation of Course 5. Selections from historical prose. Schiller: *Die Jungfrau von Orleans* (edition Nichols). Seidel:

Herr Omnia (edition Matthewman). Uhland: Poems (edition Hewett). Grammar, paraphrasing. Second Semester, fifty-four exercises, [3].  
MR. STEWART.

Courses 5 and 6 are prescribed for Freshmen in the Latin-Scientific and the Chandler Scientific Courses who offered German for admission to college. They may be taken instead of 1, 2, 3, and 4 by Freshmen in the Latin-Scientific and Chandler Scientific Courses who have had an amount of German equivalent to the requirements for admission, but did not offer German for entrance. They may also be elected by Freshmen in the Classical Course who have had an amount of German equivalent to the requirements for admission to the Latin-Scientific and Chandler Scientific Courses.

7. Schiller, Works and Life. Reading of plays, poems, and prose writings with study of life. Wilhelm Tell; Wallensteins Tod; Gedichte; Der dreissigjährige Krieg. First Semester, fifty-four exercises, [3].  
DR. HARDY.

Course 7 is open only to those who have previously had at least *two* years of German.

8. Lessing, Works and Life. Reading of plays and prose writings with study of life. Minna von Barnhelm; Nathan der Weise; Laokoon (selections). Second Semester, fifty-four exercises, [3].

PROFESSOR ADAMS.

Course 8 is open only to those who have previously had at least *two* years of German.

9. Modern German Prose. Reading of a considerable amount of prose taken from representative modern writers. Sudermann: Frau Sorge; Freytag: Karl der Grosse; Freytag: Dr. Luther; Schönbach: Ueber Lesen und Bildung. First Semester, fifty-four exercises, [3].

PROFESSOR ADAMS.

Course 9 is open only to those who have previously had at least *two* years of German.

10. Lyrics and Ballads. Reading of a considerable amount of representative German lyrics and ballads. Study of authors and periods. Deutsche Lyrik (edition Buchheim). Deutsche Bal-

laden und Romanzen (edition Buchheim). Deutsche Volkslieder (edition White). Second Semester, fifty-four exercises, [3].

DR. HARDY.

Course 10 is open only to those who have previously had at least *two* years of German.

11 and 12. Scientific German. In this course the student will first be made acquainted with the more general vocabulary of modern scientific German: for this purpose a German Science Reader will be used. The make-up of the division will then determine what particular branch or branches of scientific German (*i. e.* whether Medicine, Physics, Botany, etc.) will be studied. First and second Semesters, one hundred and eight exercises, [3]. MR. STEWART.

Courses 11 and 12 are open only to those who have previously had at least *two* years of German.

13 and 14. Composition and Conversation. First and Second Semesters, seventy-two exercises, [2].

DR. HARDY.

Course 13 is open only to those who have previously had at least *two* years of German. Course 14 is open only to those who have taken Course 13.

15. Goethe, Works and Life. Selected poems, chronologically arranged. In connection with a study of the young Goethe, Götz von Berlichingen will be read, of the more mature Goethe, Iphigenie. Work supplemented by selections from the Autobiography, and Heinemann's Goethe, and by lectures. Text-books: Goethe's Poems (edition Harris); Götz von Berlichingen (edition Goodrich); Iphigenie (edition Eggert); Dichtung und Wahrheit (edition Cotta). First Semester, fifty-four exercises, [3].

PROFESSOR ADAMS.

Course 15 is open only to those who have previously had at least *two* years of German and ordinarily would be taken most satisfactorily after *three* years of work in German. Consent of the instructor is necessary in the case of those who have previously had only *two* years of German.

16. Continuation of Course 15. Faust I and parts of Faust II. Poems continued. Selections from Goethe's Conversations with Eckermann. Study of the mature Goethe. Discussion of the leading essays in English upon Goethe. Lectures. Faust I (edition



Thomas); Faust II (edition Thomas); Poems (edition Harris); Gespräche mit Eckermann (edition Reclam). Second Semester, fifty-four exercises, [3].

PROFESSOR ADAMS.

Course 16 is open only to those who have previously had at least *two* years of German and ordinarily would be taken most satisfactorily after *three* years of work in German. Consent of the instructor is necessary for those who have previously had only *two* years of German. Course 16 may be chosen by those who have not taken Course 15.

## MATHEMATICS

PROFESSORS SHERMAN AND WORTHEN AND MESSRS. J. H.  
PROCTOR AND BACON

1. Algebra. Quadratic and indeterminate equations, ratio and proportion, variation, series, binomial formula, logarithms, permutations and combinations, theory of equations, graphic algebra. (Wells' College Algebra.) First Semester, seventy-two exercises, (4).

PROFESSORS SHERMAN AND WORTHEN AND MESSRS. PROCTOR  
AND BACON.

1 a. Algebra. Logarithms, permutations and combinations, probability, continued fractions, summation of series, theory of equations, graphic algebra. (Wells' College Algebra.) First Semester, forty-eight exercises, [4].

PROFESSOR SHERMAN.

2. Solid Geometry, with original demonstrations and the solution of problems relating to the surfaces and volumes treated. (Phillips and Fisher.) Second Semester, twenty-eight exercises, [4].

PROFESSORS SHERMAN AND WORTHEN AND MESSRS. PROCTOR  
AND BACON.

3. Spherical Trigonometry, with applications to geodesy and astronomy. (Phillips and Strong.) First Semester, twenty-four exercises, [4.]

PROFESSOR SHERMAN.

4. Plane Trigonometry, with applications to problems in surveying. (Phillips and Strong.) Second Semester, twenty-eight exercises, [4].

PROFESSORS SHERMAN AND WORTHEN AND MESSRS. PROCTOR  
AND BACON.

4 a. Spherical Trigonometry. (Phillips and Strong.) Second Semester, sixteen exercises, [4].

PROFESSORS SHERMAN AND WORTHEN AND MESSRS. PROCTOR AND BACON.

5. Plane Analytic Geometry, including Higher Plane Curves. (Hardy.) First Semester, forty exercises, [3].

PROFESSOR WORTHEN.

6. Plane Analytic Geometry, including Higher Plane Curves. (Hardy.) Second Semester, fifty-two exercises, [4].

PROFESSOR WORTHEN.

7. Analytic Geometry of three dimensions. (Hardy.) First Semester, fourteen exercises, [3].

PROFESSOR WORTHEN.

8. Analytic Geometry of three dimensions. (Hardy.) Second Semester, twenty exercises, [4].

PROFESSOR WORTHEN.

9. Differential Calculus, with geometrical applications. (Hardy.) First Semester, fifty-four exercises, [3].

PROFESSOR SHERMAN.

10. Differential Calculus, with geometrical applications. (Hardy.) Second Semester, fifty-four exercises, [3].

PROFESSOR WORTHEN.

11. Integral Calculus, with applications to analytic geometry. (Hardy.) First Semester, thirty-six exercises, [2].

PROFESSOR WORTHEN.

12. Integral Calculus, with applications to analytic geometry, and including the elements of Differential Equations. (Murray.) Second Semester, fifty-four exercises, [3].

PROFESSOR SHERMAN.

Courses 1, 2, 4, 4 a, 5, 7, 10, and 11 are intended for those who enter with Mathematics I; Courses 1 a, 3, 6, 8, 9, and 12 are intended for those who enter with Mathematics II. Either of the above series is essential for the pursuit of the advanced courses in Engineering, Physics, and Astronomy.

13. Analytic Mechanics. This course is described under Physics 5. (Williamson and Tarleton.) First Semester, fifty-four exercises, [3].

PROFESSOR HULL.

14. Differential Equations. (Murray.) Second Semester, thirty-six exercises, [2].

PROFESSOR WORTHEN.

15. Solution of Transcendental and Higher Algebraic Equations. (Merriman.) First Semester, eighteen exercises, [1].

PROFESSOR SHERMAN.

- 15 (a) Determinants. (Weld.) First Semester, thirty-six exercises, [2].

PROFESSOR SHERMAN.

16. Elliptic Functions. (Baker.) Second Semester, thirty-six exercises, [2].

PROFESSOR SHERMAN.

17. Quaternions. (Hardy.) First Semester, thirty-six exercises, [2].

PROFESSOR WORTHEN.

18. Theory of Functions. (Harkness and Morley.) Second Semester, fifty-four exercises, [3].

PROFESSOR WORTHEN.

19. Projective Geometry. (Reye.) First Semester, thirty-six exercises, [2].

PROFESSOR SHERMAN.

## GRAPHICS

### PROFESSOR HAZEN AND ASSISTANT PROFESSOR MANN

1. Mechanical Drawing. An introductory course treating of the instruments used and the methods of using them. It includes the construction of engineering, mechanical, and architectural drawings, lettering and shading. First Semester, fifty-four exercises, [3].

PROFESSOR HAZEN.

2. Mechanical Drawing. Tinting; elementary projection drawing; third angle projections and the construction of projections and sections from models and actual structures. Second Semester, fifty-four exercises, [3].

PROFESSOR HAZEN.

3. Descriptive Geometry, as applied to third angle projections, to the development of surfaces, to the representation by drawings or projections of all geometrical magnitudes and to the intersections and tangencies of developable, double-curved, and warped surfaces. First Semester, fifty-four exercises, [3].

PROFESSOR HAZEN.

3 a. This is a course in Linear Perspective, Topographical Drawing, and Machine Drawing. First Semester, fifty-four exercises, [3].

PROFESSOR HAZEN.

Course 3 a is offered to Juniors in 1900-1901 only.

4. Descriptive Geometry continued, and applied to Spherical Projections, Shades and Shadows, and Linear Perspective, Axonometric Projections, and Cavalier Perspective. Second Semester, fifty-four exercises, [3].

PROFESSOR HAZEN.

Courses 1, 2, 3, and 4, are required for the subsequent election of the Thayer Engineering Course.

5. Plotting of land, stadia and railroad surveys. First Semester, forty half-days.

PROFESSORS HAZEN AND MANN.

This course constitutes a part of the Thayer School Courses 3, 4, and 5, and the half-days here given are included in the time allotted to those courses.

6. Graphical Statics. This includes the first principles of the subject and the determination of the stresses in roof and bridge trusses. Second Semester, twenty-four half-days.

PROFESSOR HAZEN.

This course is a part of the Thayer School Course 11, and the half-days here given are included in the time allotted to that course.

## CIVIL ENGINEERING

COLLEGE — PROFESSOR HAZEN

THAYER SCHOOL — PROFESSOR FLETCHER AND ASSISTANT  
PROFESSOR MANN

2. Surveying with Level, Transit, and Compass; the adjustments, care, and proper methods of using these instruments. This course includes the methods of determining areas; laying out and dividing land; practice with the solar transit used in surveying the Public Lands; determination of true meridian by the sun and polar star; levelling for profiles, city surveying, plotting, and computing from field notes taken in connection with the above work. Second Semester, fifty-four exercises, [3].

PROFESSOR HAZEN.

## THAYER SCHOOL COURSES

(August 1 to September 12)

3. Surveying. Theory, adjustments, and use of instruments, including the transit, theodolite, level, plane-table, solar transit, sextant, aneroid barometer, and precise level; land surveying; topographical, hydrographical, and city surveying. Seventy-two half-days.

PROFESSOR MANN.

4. Railroad Engineering. This course includes a reconnaissance, preliminary and location surveys, and estimates of a line from two to three miles long through a country as difficult as is ordinarily met with; also a study of the various forms of easement or transition curves. First Semester, fifty-five half-days.

PROFESSOR HAZEN.

5. Higher Surveying. This course includes geodetical field-work and computations; the determination of latitude and time by the sextant and transit; azimuth by observations on the sun, Polaris, and some other star at elongation; also photography applied to surveying. Theory and applications of Least Squares. First Semester, fifty-six half-days.

PROFESSOR MANN.

6. Analytical Mechanics and general applications; Kinematics, Dynamics; Statics and Kinetics. Principles and working conditions, including friction and various applications. Elements of Mechanism. First and second Semesters, sixty half-days.

PROFESSOR FLETCHER.

7. Masonry Constructions. This course includes a study of building stones, brick and mortar; the building of stone, brick, and artificial stone masonry; of foundations on land, on piles, and under water; of masonry dams, retaining walls, bridge abutments and piers, culverts and arches; a course in Practical Mineralogy and the testing of limes and cements in the laboratory. First Semester, fifty half-days.

PROFESSORS FLETCHER AND HAZEN.

8. Stone-cutting, including the discussion and designing of arches and wing walls. Second Semester, sixteen half-days.

PROFESSOR HAZEN.

9. Mechanics of Materials, including the theory of beams, columns, and shafts; the methods of designing such elementary structures, and

bridge and roof connections and joints. Second Semester, twenty-six half-days. PROFESSOR MANN.

10. Highway Engineering. This course considers the approved methods of constructing McAdam, Telford, gravel, and common earth roads; wood, stone, brick, and asphalt pavements for cities; and the proper methods of maintaining country roads and city pavements. Second Semester, seventeen half-days. PROFESSOR HAZEN.

11. Roofs and Bridges, including analytical and graphical determination of the stresses in roof and bridge trusses. Design of a simple roof and bridge. Second Semester, thirty-six half-days. PROFESSOR HAZEN.

12. Materials of Engineering, including wood, building stones, and the manufacture of iron and steel, the methods of testing all of these materials, and a study of the machines used in making these tests. Second Semester, twenty-six half-days. PROFESSOR FLETCHER.

## PHYSICS

PROFESSOR NICHOLS, ASSISTANT PROFESSOR HULL, AND  
MESSRS. WILLARD AND C. A. PROCTOR

1. A study of the phenomena and simpler laws of General Mechanics, Sound, and a part of Heat. First Semester, fifty-four exercises, [3.] PROFESSOR NICHOLS AND MR. WILLARD.

2. A continuation of Course 1, including the remaining chapters on Heat, and a study of the phenomena and simpler laws of Electricity, Magnetism, and Light. Second Semester, fifty-four exercises, [3]. PROFESSOR NICHOLS AND MR. WILLARD.

Courses 1 and 2 provide a year's work in General Physics for beginners, and are required of all Sophomores in College. Instruction is given by lectures with an ample number of illustrative experiments, by recitations and examinations upon the lectures, and a text-book, — Ames' Theory of Physics.

3. A course in Practical Physics, including practice in the use of instruments of precision and in the experimental verification and application of physical laws. In particular, the micrometer and vernier calipers, the spherometer, and the micrometer eyepiece are used for

measuring length; the seconds clock, stop-watch, chronograph, and tuning fork for measuring time; spring, pan, and analytical balances, and inertia methods for measuring mass; the laws of the pendulum and of falling bodies are used to determine " $g$ "; the laws of forces, moments, moments of inertia, centres of mass, Hooke's law, Boyle's and Charles' laws are verified; the densities of solids and liquids are measured in a number of ways; the laws of vibrating strings, the measurement of the period, wave-length, and velocity of propagation of wave disturbances in different media are determined. Experiments are performed in the study of thermometers, in calorimetry, in the expansion, due to heat, of solids, liquids, and gases, and in the measurement of specific and latent heats.

While care in manipulation and accuracy of observation are required of the student, it is also essential that he understand thoroughly the principles involved in the experiments. Oral reviews and tests will be held at convenient intervals to determine to what extent these principles have become a part of the student's knowledge.

A laboratory manual (Ames and Bliss) will be used by the student; other texts will be consulted. First Semester, fifty-four exercises, [3].

PROFESSOR HULL AND MR. PROCTOR.

4. A continuation of Course 3, extended into the study and experimental verification of the general laws of Electricity, Magnetism, and Light. The exercises include the mapping of electric and magnetic fields and lines of current-flow, the determination of the strength of magnetic fields, the measurement of the resistance of wires, liquids, batteries, and galvanometers, the measurement of electromotive force, capacity, temperature-coefficient of wires, the electrochemical and heat equivalent of an electric current, and the use of the D'Arsonval, Thomson, and tangent galvanometers.

In Light, the laws of photometers and mirrors, the measurement of the focal length and magnifying power of lenses and combinations of lenses, the index of refraction of glass, the spectra of a number of substances, the wave lengths of light and the simple laws of polarization and double refraction are determined or verified. Second Semester, fifty-four exercises, [3].

PROFESSOR HULL AND MR. PROCTOR.

5. Analytic Mechanics. A course of lectures on Statics, including the composition and resolution of forces acting on a particle and on a rigid body; efficiency of machines, sensitiveness of a balance,

equilibrium of flexible strings and the elementary theory of attractions; Kinematics; Dynamics, the motion of projectiles, collision of elastic bodies, simple harmonic motions and central orbits. Without sacrificing the rigidity of mathematical deductions, recourse will be had, where occasion permits, to experimental illustrations. Text: Williamson and Tarleton. Prerequisite, Differential and Integral Calculus, and Physics 1 and 2. First Semester, fifty-four exercises, [3].

PROFESSOR HULL.

6. Wave Motion, with application to physical phenomena; Thermodynamics, including the elementary kinetic theory of gases, and the theory of solutions. Lectures and text references. Prerequisites, Physics 1 to 5 inclusive, Differential and Integral Calculus. Second Semester, fifty-four exercises, [3].

[1901-1902.]

PROFESSOR HULL.

7. Advanced Optics. This course will consist of lectures, experimental and theoretical, recitations, and laboratory work. The domain covered will be nearly that of Preston's Theory of Light. Laboratory exercises in the measurement of the refractive index and dispersive power of glass, of the wave length of light by the grating and interferometer, and of the phenomena of diffraction and polarization, will be performed by the students. Prerequisite, Differential and Integral Calculus and Physics 1 to 5. First Semester, fifty-four exercises, [3].

PROFESSOR HULL.

8. Electricity and Magnetism. A course of lectures and recitations on the theory of electricity and magnetism, following for the most part J. J. Thomson's text. Applications of the theory will be made by the students in the experimental study of electrometers, the inductive capacity of dielectrics, stream and equipotential lines, and galvanometers. Prerequisites, Physics 1 to 5 inclusive, Differential and Integral Calculus. Second Semester, fifty-four exercises, [3].

PROFESSOR HULL.

9. Advanced Laboratory Work in the measurement of electrical and magnetic quantities. First Semester, one hundred and eight exercises, [6].

PROFESSOR NICHOLS AND HULL.

10. Advanced Laboratory Work in fundamental measurements of precision. Prerequisite, Courses 1 to 4 inclusive. Second Semester, fifty-four exercises, [3].

PROFESSOR NICHOLS.



10 a. An Advanced Laboratory course in electrical measurements. Prerequisite, Courses 1 to 4 inclusive. Second Semester, fifty-four exercises, [3].

[1901-1902.]

PROFESSOR NICHOLS.

11. A seminary for the discussion of the current periodical literature in Physics: intended for advanced students who will confer with the department before electing the course. First Semester, thirty-six exercises, [2].

PROFESSOR NICHOLS.

12. A seminary for the discussion of the current periodical literature in Physics. A continuation of Course 11. Second Semester, thirty-six exercises, [2].

PROFESSOR NICHOLS.

13 and 14. Courses in investigation and research problems in Physics. First and Second Semesters.

PROFESSORS NICHOLS AND HULL.

Of the foregoing, Courses 1 to 5 may be elected by undergraduate students only, 6 to 10 a are open both to undergraduate students and graduates, 11 to 14 are open only to graduate students.

## ASTRONOMY

PROFESSOR E. B. FROST AND MR. BACON

2. General Astronomy. A recitation course in general descriptive Astronomy, supplemented by occasional lectures, and by frequent visits to the Observatory. The previous study of elective courses in mathematics is not necessary, but a knowledge of Analytic Geometry is desirable. (Young's General Astronomy, Revised Edition.) Second Semester, fifty-four exercises, [3].

PROFESSOR FROST.

3. Spherical and Practical Astronomy. The knowledge of Analytic Geometry and Calculus is necessary for this course, which is planned to meet the needs of the students of Physics, Engineering, and Astronomy. It involves the practical study of spherical triangles, and furnishes practice in the reduction of observations and in the art

of computing. The observations consist chiefly in the determination of time and latitude by various methods with the Sextant, and the use of the Meridian Circle in the determination of time, zenith distances, right ascensions, and personal equation. The method of least squares is briefly taken up. It will be understood that much more time will be required in reducing the observations than in securing them. (Campbell's and Chauvenet's Practical Astronomies.) First Semester, fifty-four exercises, [3].

MR. BACON.

4. Theoretical Astronomy. The practical computation of planetary and cometary motions. Knowledge of the Calculus and of Analytic Mechanics is necessary for this course. (Klinkerfues' *Theoretische Astronomie*, Watson's Theoretical Astronomy, and other reference books.) Second Semester, thirty-six exercises, [2].

6. Astrophysics. This course includes the study of sun-spots, the determination of their positions and motions, and of the rotation of the sun; the investigation of the various instruments employed in spectroscopy, with practical measurements; the application of photography to astronomical and spectroscopical work, and the study of variable stars. (Frost-Scheiner's Astronomical Spectroscopy.) Second Semester, fifty-four exercises, [3].

MR. BACON.

Each course in Astronomy is open only to students who have taken or are then taking the preceding course.

## CHEMISTRY

PROFESSOR BARTLETT AND DR. C. H. RICHARDSON

2. Chemistry of the Non-Metallic Elements. Illustrated lectures with recitations and laboratory work. In this course special emphasis is laid upon the General Principles of Chemistry, the Notation in its experimental and arithmetical meaning, upon Nomenclature and Terminology in their applications. Some familiarity with the properties of chemical substances and with processes is acquired. A beginner's course open to students who have had no chemistry in their preparation for College. Second Semester, fifty-four exercises, one or two hours each, [3].

PROFESSOR BARTLETT AND DR. RICHARDSON.

3, 4. A systematic course, reviewing the Non-Metallic Elements rapidly, developing the more essential theories, and treating the Metallic Elements and their compounds, by lectures, recitations (Newth's *Inorganic Chemistry*), and by Qualitative Analysis in the laboratory (A. A. Noyes's *Qualitative Analysis*). This course for completeness should be pursued through the year. It divides the time about equally between one-hour recitations and two-hour laboratory exercises. Open to Seniors, Juniors, and Sophomores in all the courses who have had Course 2, or its equivalent, and college preparation in Physics, or who having had Course 2 are pursuing Physics 1. First and Second Semesters, fifty-four exercises in each, one or two hours, [3].

PROFESSOR BARTLETT AND DR. RICHARDSON.

5. The Carbon Compounds.

(a) Recitations and lectures with regular written reviews. (Remsen's *Organic Chemistry*.)

(b) Laboratory Work based on standard manuals. Reactions and preparations.

Course 5 (a) and (b) is elected as a single course, and is about equally divided between one-hour recitations and two-hour laboratory exercises. Open to students who have completed Courses 3 and 4. First Semester, fifty-four exercises, [3].

DR. RICHARDSON.

6. (a, b) The Carbon Compounds. A continuation and advancement of Course 5. Open to students who have completed Course 5. The proportion of laboratory work is greater than in Course 5 and consists chiefly of organic preparations. Second Semester, fifty-four exercises, [3].

DR. RICHARDSON.

7. Quantitative Analysis. A course in the laboratory arranged from standard texts and reference books. Gravimetric and Volumetric methods with special applications. Open to students who have completed Courses 3, 4. First Semester, seventy-two exercises, two hours each, [4].

PROFESSOR BARTLETT.

8 a. Quantitative Analysis continued. A continuation and advancement of Course 7. Open only to students who have completed Course 7.

8 b. Quantitative Analysis. A course corresponding to Course 7, and open only to students who have taken Course 5 in the First Semester. Second Semester, seventy-two exercises, two hours each, [4].

PROFESSOR BARTLETT.

BIOLOGY  
ZOÖLOGY AND BOTANY

PROFESSOR PATTEN AND DRs. GEROULD AND MOORE

The courses in Zoölogy and Botany are designed for three classes of students, namely: (a) for those who wish to know something of the elementary principles and aims of the science; (b) for those who intend to study medicine; and (c) for those who expect to teach the natural sciences, or who for any reason are interested in the subject and wish to give it special attention.

Courses 1, 2, 3, 4, and 8 are elementary in character, and are intended for those who desire a comprehensive view of the subject. Those who intend to study medicine will find the following courses of especial value as a preparation for the study of human anatomy, physiology, and bacteriology: namely, Biology 1, 2, 3, 6, 7, 8, and 9. Courses 1, 6, and 8 will be useful to students of psychology.

While the above named courses have been modelled to meet the requirements of the general student and of those who have a medical career in view, the symmetry and continuity of the entire series of courses has been maintained in order to meet the requirements of those who expect to teach the natural sciences or to become professional biologists.

1. General Biology. This is an introductory course consisting of two lectures and two laboratory exercises a week. A few examples of the simplest kinds of plants and animals, whose structure, action, and life-history illustrate important principles of the science, are selected for study in the laboratory. The lectures and supplementary reading treat of the distinctions between plants and animals, their relations to one another and to their environment, the theories that attempt to explain heredity, variation, the origin and perpetuation of existing forms of plants and animals, and the relations of fungi and bacteria to putrefaction, fermentation, and disease. (T. J. Parker's *Elementary Biology*, and collateral reading.) First Semester, seventy-two exercises, [4].

DR. GEROULD.

In the year 1901-2, *General Biology* will form a single course extending through the year, the first Semester being devoted to Elementary Botany and the second to Elementary Zoölogy.

This course will be based on a remodelling of Courses 1, 2, 3, and 10, of the present catalogue. It will be open to Freshmen in the Chandler Scientific Course and to the Sophomores, Juniors, and Seniors of all the courses who have had the equivalent of the Elementary Chemistry required for admission to College.

During and after the year 1902-3, no student may elect the higher courses in either Zoölogy or Botany, excepting Biology 8, who has not completed the first year's work in General Biology.

2. *Elementary Invertebrate Zoölogy.* This course treats of the structure, activities, and life-history of invertebrate animals, and the problems that naturally arise from their consideration. The phenomena of cleavage, formation of germ layers, and larval development, and the origin, structure, and function of fundamental tissues and organs are briefly discussed. In the laboratory, examples of the principal groups of invertebrates are studied. (Parker and Haswell's Manual of Zoölogy.) Second Semester, seventy-two two-hour exercises, [4].

DR. GEROULD.

3. *Cryptogamic Botany.* This course is designed to give beginners a comprehensive view of the subject. Typical forms of the green, brown, and red Algæ are studied, with especial reference to those contaminating water supplies. The lectures on Bacteria are devoted to a discussion of their morphology and the phenomena of fermentation and putrefaction, rather than to a consideration of pathogenic forms. In the laboratory, typical species are examined and some practice is obtained in making various kinds of culture media. The moulds (Phycomycetes), cup-fungi (Ascomycetes), Lichens, mushrooms (Basidiomycetes), Mosses and Ferns are studied and the close relation between the last two groups and the higher plants is brought out. The course will be useful to any who desire a general knowledge of lower plant life, but is especially adapted for those who expect to do advanced work in biology, or to become students of medicine. First Semester, fifty-four two-hour exercises, [3].

DR. MOORE.

4. *Comparative Anatomy of Vertebrates.* The outlines of the classification of vertebrates, the homologies and the histological structure of vertebrate organs, the theories of the structure of the vertebrate head, and of the derivation of the Chordata will be discussed. The object of the course is to illustrate the evolution of the

vertebrate type of animals from the lowest fishes and related forms, up to man, and to discuss some of the conditions that are coincident with, or determine, the progressive modification of various vertebrate organs. The course is intended for those especially interested in zoölogy, or for those who wish to lay a broad foundation for the study of human anatomy, physiology, or comparative psychology. (Wiedersheim's *Comparative Anatomy of Vertebrates*, Gray's *Anatomy*, and the embryological text-books of Minot, Hertwig-Mark, etc.) Second Semester, fifty-four two-hour exercises, [3].

PROFESSOR PATTEN.

6. *Comparative Anatomy and Physiology of the Nervous System and Sense Organs.* A course of lectures and demonstrations illustrating the structure and evolution of the nervous system and sense organs, with special reference to their physiology. A desirable course for students of medicine or psychology. Open to students who have taken Courses 1 and 2. Second Semester, thirty-six one-hour exercises, [2].

DR. GEROULD.

7. *Cytology.* This course treats of the structure and activities of animal and plant cells. The structure of protoplasm, its physical and chemical properties, the theories of heredity, cell-division, and the effects of nutrition, stimulation, and exhaustion of cells are discussed. First Semester, fifty-four exercises, [3].

PROFESSOR PATTEN.

8. *The Principles of Biology:* A course of lectures on the structure and activities of plants and animals, with a discussion of the principal phenomena of nutrition, growth, reproduction, heredity, variations, natural selection and evolution. The course is designed especially for those who desire a brief statement of the principles and aims of the science. Second Semester, thirty-six exercises, [2].

PROFESSOR PATTEN.

9. *Vertebrate Embryology.* A study of the Embryology of the frog, the chick, and a mammal. Open only to those who have done satisfactory work in Biology 1, 2, and 4. (Minot's *Human Embryology*, Hertwig's *Embryology of Vertebrates*, Marshall's *Vertebrate Embryology*.) First Semester, seventy-two two-hour exercises, [4].

PROFESSOR PATTEN.

10. *General Botany.* The morphology and physiology of flowering plants, with plant analysis. The course treats of the structure, habits, classification, and ecological relations of plants. A few simple experi-

ments are performed in plant physiology, and some of the fundamental principles of plant life are brought out. An opportunity is given for the preparation of an herbarium. Second Semester, fifty-four two-hour exercises, [3].  
DR. MOORE.

11. Vegetable Histology and Microtechnique. A study of the unorganized contents of cells and the histological characters of economic plants with reference to the identification of the crude products derived from them. Practice in detecting the adulteration of foods and drugs and a systematic study of some of the more important plants of the Pharmacopœia. This course must be preceded by Biology 10 or its equivalent. It is designed for any who expect to teach or do special work in Botany, as well as for those who intend to study medicine or pharmacy. First Semester, fifty-four two-hour exercises, [3].  
DR. MOORE.

12. Plant Physiology. Experimental study of the properties of Protoplasm and its relation to external stimuli; nutrition, growth, etc. The number in this course being necessarily limited, preference will be given to those who intend to teach or are unusually well prepared. Biology 10 and 11 must precede it, and a general knowledge of Physics and Chemistry is necessary. (Chemistry 2, 3, 4, and Physics 1, 2, and 3 are recommended.) Second Semester, fifty-four two-hour exercises, [3].  
DR. MOORE.

A course in Human Anatomy, given by Dr. Gilman D. Frost in the Medical School, is open to Seniors in regular standing.

Graduate students may receive instruction leading to the higher degrees in Zoölogy or Botany, the subject-matter varying with the requirements of each student. A reading knowledge of French and German is essential.

Exceptional facilities exist for the study of the taxonomy and morphology of cryptogamous plants.

## GEOLOGY AND MINERALOGY

### MINERALOGY

PROFESSOR HITCHCOCK AND DR. RICHARDSON.

2. Chemical Mineralogy. Recitations, lectures, and laboratory work. The student will make use of the blowpipe and various

reagents to determine the elements and compounds occurring as minerals. (Fraser's Tables.) Second Semester, thirty-six exercises, [2].  
DR. RICHARDSON.

Open only to those who have taken one course in Chemistry.

3. (a) Crystallographic Mineralogy. (Williams' Text-book of Crystallography.) Eighteen exercises.

3. (b) Petrography. This is a continuation of Course 3 (a). Minerals and crystalline rocks are studied by the aid of polarized light. The work is done chiefly in the Laboratory. (For reference, Rosenbusch's Petrography.) First Semester, thirty-six exercises, [3].

PROFESSOR HITCHCOCK.

## GEOLOGY

PROFESSOR HITCHCOCK

1. A general course in Physical and Historic Geology. Lectures and recitations, with references to standard treatises. First Semester, thirty-six exercises, [2].

3. (a) Physical Geology. This includes Dynamical, Structural, and Physiographical Geology, thus embracing the study of atmospheric, aqueous, organic, and igneous agencies, the structure of the earth's crust, origin and classification of mountains, and the effects of erosion upon topography.

(b) Historic Geology. This course takes up the study of the terranes of the earth's crust in the chronological order of their formation. It is the central feature of Geology, to which all other departments of the science are tributary. The evolution of the continent of North America, and Paleontology, or the study of extinct animals and plants, constitute parts of the course. It is expected that the illustrations pertaining to Historic Geology now in use will be greatly augmented when the Butterfield funds are available. Lectures and field excursions supplement the recitations whenever advisable. (Le Conte's Elements of Geology.) First Semester, fifty-four exercises, [3].

4. Mineral Resources of the United States. Descriptive and statistical lectures on the occurrence, distribution, and production of the valuable minerals. References will be continually made to the volumes published by the Census Bureau, the Geological Survey, the



Mint, and to Rothwell's Mineral Industries. Second Semester, thirty-six exercises, [2].

6. Surface Geology. A course of lectures and field exercises; for the latter, the facilities are remarkably favorable in the vicinity of the College. The topic is largely the Age of Ice, together with the peculiar phenomena attending the melting of the ice. The life of that age is also considered, both as to its distribution and as to its reference to the antiquity and early history of man. Second Semester, thirty-six exercises, [2].

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Graduate students and candidates for the degree of Ph.D. will engage in field-work in areas specially assigned, and apply the principles of Petrography to specimens of their own collection.

They will study the Reports of the several States, the larger manuals of Geikie and Dana, and special treatises, according to the particular subject assigned.

## HISTORY

PROFESSOR FOSTER AND ASSISTANT PROFESSOR ABBOTT

The courses in History are intended for two classes of students: (1) those desiring an outline of historical development from ancient to modern times. To such men are offered Courses 1-5. Courses 1 and 2, required of all students, give such training as is essential for the use of ordinary historical material. Courses 3-5 call for the writing of reports or essays to combine results and put into more definite practice the training previously given. (2) For students having some especial interest in the particular period covered, or desiring training to teach History, Courses 6, 8, and 10 are designed. These courses are devoted to a more critical study of selected topics in the period already covered in outline, and to the presentation of results in the form of reports or theses.

1. Mediæval and Modern European History. Courses numbered 1 and 2 are treated as a continuous year's course in European History (exclusive of English) from the Teutonic Migrations to the close of the Seven Years' War, (375-1763). Text-books: Putzger, *Historischer Schul-Atlas*; Emerton, *Introduction to the Middle Ages*, and *Mediæval*

*Europe.* Or, in place of the last, the student may select *one* of the following: Adams, *Civilization during the Middle Ages*; Duruy, *Middle Ages*; Thatcher and Schwill, *Europe in the Middle Ages*. The method of instruction is by lectures, with recitations on lectures, text-book, and additional reading. For this purpose, references are given in lectures to such books in the department library as Adams, *Civilization during the Middle Ages*; Bryce, *Holy Roman Empire*; Einhard, *Life of Charlemagne*; Gibbon, *Decline and Fall of the Roman Empire*; Guizot, *History of Civilization in Europe*; Hodgkin, *Theodoric*; Kingsley, *Roman and Teuton*; Kitchin, *History of France*; Milman, *History of Latin Christianity*. This part of the work is tested also by individual conferences on note-books, and in u. division and semester examination. A minimum amount of collateral reading is required of all, but it is hoped that the student's interest will lead him into independent reading beyond any requirements. First Semester, fifty-four exercises, [3]. PROFESSORS FOSTER AND ABBOTT.

2. Mediæval and Modern European History (continued). Text-books: Seeböhm, *Era of the Protestant Revolution*; Wakeman, *Ascendancy of France, 1598-1715*; Hassall, *Balance of Power, 1715-1789*. Additional reading in: Häusser, *Period of the Reformation*, [or Johnson, *Europe in the Sixteenth Century*, or Fisher, *Reformation*, or Köstlin, *Luther*]; Lodge, *Richelieu*; Hassall, *Louis XIV*; Longman, *Frederick the Great*. Methods of instruction as in Course 1. Second Semester, fifty-four exercises, [3].

PROFESSORS FOSTER AND ABBOTT.

3. The History of England to the Sixteenth Century. This course will consist primarily of the political history of the English nation, with such reference as is necessary to constitutional, economic, and intellectual development. Lectures, recitations, and reports. Required for admission to Course 4. First Semester, fifty-four exercises, [3].

PROFESSOR ABBOTT.

4. The History of England and the British Empire from the Sixteenth Century. This is a continuation of Course 3, and will include, in addition to the history of Great Britain, the development of the British Empire and the history of its colonies and dependencies. Open to those who have had Course 3. Lectures, recitations, and reports. Second Semester, fifty-four exercises, [3].

PROFESSOR ABBOTT.

5. American Colonial History to 1783. This course is intended to trace the beginnings of the American Nation rather than the details of the history of the individual colonies. Emphasis is therefore laid on the European inheritance brought to this country by the colonists, their development of American institutions in the new environment, the expansion of population, the struggle between French and English for North America, the underlying causes of the Revolution, the growth of independence and union. A considerable amount of collateral reading is called for, in such books as Doyle, Fiske, Lodge, *Colonies*, Parkman, and Winsor. The student is also directed in the use of contemporary sources, and must base at least one written report upon them. Students who have not had a good course in English History in the secondary school are advised to precede this course by Courses 3 and 4. Lectures, recitations, and reports. Channing and Hart, *Guide to the Study of American History*; Thwaites, *Colonies*; Hart, *Formation of the Union*. First Semester, fifty-four exercises, [3].

PROFESSOR FOSTER.

6. Era of the Renaissance and Reformation. This course traces the transformation of Mediæval into Modern Europe (1300-1600), from the age of Dante to that of Shakespeare and Calvin, and includes such topics as the following: The significant characteristics of the Middle Ages contrasted with those of modern times; rise of individual, city, national life; dismemberment of empire and papacy; early attempts at reform; the Renaissance; the Protestant Revolution, the Roman Catholic Reaction, the formation and organization of modern States. This course is more advanced than the earlier narrative courses (1-5), is intended for those especially interested in the period or desiring especial training in the study or teaching of history, and is open only to students who have shown a good knowledge of this period in Courses 1 and 2. No text-book will be used. About one-half the time will be taken for lectures; the remainder for quizzes or discussions of general and assigned topics. Each student will be expected to read a considerable amount in the reserved books, and show the results in a special report on a book and in three essays, which may be read in class. Second Semester, fifty-four exercises, [3].

PROFESSOR FOSTER.

8. Political and Military History of Europe from 1618 to 1763. This course will include some study of the diplomacy as well as the political and military history of the seventeenth and eighteenth cen-

turies and will be based largely on the material contained in the Thayer collection of military art and history in the library. Lectures, recitations, and reports. Second Semester, thirty-six exercises, [2].

PROFESSOR ABBOTT.

10. The Puritan State in Geneva, England, and Massachusetts Bay. This is a study, based mainly on contemporary documents, of the Puritan experiment in government (1) in Geneva, under Calvin's influence, 1536-64; (2) in England in the sixteenth and seventeenth centuries; and (3) in Massachusetts Bay, 1630-1691. It is an advanced course intended for those who wish to do special work in History, who can read French and German, and who have taken History 1-6, or a satisfactory equivalent. Lectures, theses, and discussions. Second Semester, fifty-four exercises, [3].

PROFESSOR FOSTER.

In 1901-1902 an opportunity for graduate work in the Reformation Era or American Colonial History will be offered to qualified students who have taken an equivalent for Courses 1-5.

## MODERN HISTORY

PROFESSOR SMITH

1. The Political History of Europe from the French Revolution to the Treaty of Berlin (1789-1878). The course will open with lectures on the characteristics of the chief European peoples, the state of Europe on the eve of the French Revolution, and the early course of that movement. From this point the core of the work will be the mastery of a text-book, supplemented with formal lectures, comments, recommended and required readings, essays, debates, and conferences. Due attention will be given to physical and political geography. Special stress will be laid on the vital process by which the Europe of a hundred years ago has become the Europe of to-day. First Semester, fifty-four exercises, [3].

2. The Political History of the United States from the close of the Revolutionary War to the close of the Reconstruction period (1783 to 1877). This course will be conducted in the same general manner as the one just described, except that still more attention will be paid to collateral reading and original sources. Second Semester, fifty-four exercises, [3].

## ECONOMICS

ASSISTANT PROFESSOR DIXON AND DR. WICKER.

It is recommended that courses be taken in the order of their numbers. Courses 3, 4, and 6 are reserved for Seniors.

1. Elementary Economics. The analysis of modern industrial society and the derivation of economic laws. Recitations with occasional lectures. (Bullock's Introduction to the Study of Economics.) First Semester, fifty-four exercises, [3].

DR. WICKER.

2. English Economic History. A study of industrial development in England from the eleventh century to the present time which aims to show the origin of modern industrial rights and customs as a basis for an intelligent examination of present problems. Lectures and recitations. (Gibbins' Industry in England: Historical Outlines.) Second Semester, fifty-four exercises, [3]. PROFESSOR DIXON.

3. American Industrial Development. Special attention will be given to the period since the Civil War, and a careful study will be made of modern industrial organization, including the development of the great manufacturing industries; the growth of corporations, trusts, and monopolies; the history and problem of transportation; stock and produce exchanges; relations of capital and labor; and the effect of modern methods of business on producer and consumer. Lectures and recitations. (Emery's Speculation on the Stock and Produce Exchanges of the United States and Jenks's Trust Problem.) First Semester, fifty-four exercises, [3]. PROFESSOR DIXON.

4. History and Theory of Money. Special attention will be devoted to the financial legislation of the United States. The practical problems before the country will be briefly considered. Modern currency standards in operation in foreign countries. Recitations with occasional lectures. (Report Indianapolis Monetary Commission.) Second Semester, fifty-four exercises, [3].

DR. WICKER.

6. Advanced Theory. A study of the development of economic theory. Assigned readings in the works of the Classical School, especially Smith, Ricardo, and Mill, and in the writings of the repre-

sentatives of modern development, Marshall, Boehm-Bawerk, Patten, Clark, and others. (Ingram's History of Political Economy, Cannan's Production and Distribution.) Second Semester, thirty-six exercises, [2].

Admission to this course is by special permission of the instructor.

DR. WICKER.

For additional courses in Economics, see announcement of the Amos Tuck School of Administration and Finance.

## POLITICAL SCIENCE

PROFESSOR COLBY, MR. ALLEN, AND DR. WICKER

2. The State (Elements of Politics). This course is historical as well as comparative and critical. It treats of the origin and development of the State, its forms, functions, and ends. It includes a brief study of the governments of Greece and Rome, the Teutonic (Medieval) Polity, and comparison of the present constitutions of England, France, Germany, and the United States. Recitations and lectures. Second Semester, thirty-six exercises, [2].

DR. WICKER.

3. American Constitutional Law. This course is designed to give students a knowledge of the general principles of the Constitutional Law of the United States, both federal and state. Particular attention is given to the origin and development of American political institutions, to the formation of State governments, and to the immediate causes of the adoption of the Federal Constitution and to its text. Recitations and lectures. (Cooley's Principles of Constitutional Law.) First Semester, thirty-six exercises, four hours a week for the first nine weeks.

PROFESSOR COLBY.

4. American Constitutional Law. (Advanced course, open only to students who have taken Course 3.) This course is intended for students who expect to enter the profession of law, and involves a critical examination of such parts of the Constitution as are not studied in Course 3. Recitations and lectures, supplemented by examination of leading cases. (Cooley's Principles of Constitutional Law, and Boyd's Cases on Constitutional Law.) Second Semester, twenty-seven exercises for the last nine weeks, [3].

PROFESSOR COLBY.

5. Elementary Law (Outlines of Jurisprudence). This course is intended for students who expect to enter the profession of law, and is planned to give a general view of the whole field of the law and an introduction to its terminology and its fundamental ideas. It consists of (a) an historical survey of the Roman Law and of the English Common Law, (b) a critical examination of the fundamental ideas in both these systems of law, and (c) a study of Robinson's Elements of American Jurisprudence. Recitations and lectures. First Semester, fifty-four exercises, [3]. PROFESSOR COLBY AND MR. ALLEN.

6. Elementary Law. A continuation of Course 5, including the remaining chapters of Robinson's Elements of American Jurisprudence and Wambaugh's Study of Cases. Recitations and lectures. Second Semester, fifty-four exercises, [3].

PROFESSOR COLBY AND MR. ALLEN.

Courses 5 and 6 are directly preparatory for the Law School. They will afford any student pursuing them with serious purpose opportunity to so qualify himself by knowledge of legal ideas and terms, the main facts of legal history, and the method of legal reasoning, for the work of the Law School, that he may profit immediately from its courses of lectures and its study of cases. Any student electing Course 5 will be expected to elect Course 6.

8. International Law. This course is historical and explanatory of present international relations. It treats of the origin and development of the rules that generally govern the intercourse of modern civilized states, and their recent modifications by treaty. Recitations and lectures. (Lawrence's International Law.) Second Semester, thirty-six exercises, for the last nine weeks, [4].

PROFESSOR COLBY.

For further courses in Political Science, see Tuck School.

## SOCIOLOGY

PROFESSOR WELLS

2. Anthropology and Ethnology. This is an introductory course and should be taken by those who propose to take subsequent courses in Sociology. It is a study of man as the physical unit of society. It considers man's place in nature and the races and varieties of man-

kind. The method of treatment is both historical and descriptive. Each student is required to provide himself with a good atlas and to make constant use of the library for notes and reports. Lectures and recitations. Second Semester, fifty-four exercises, [3].

3. Anthropological Geography. This considers man in relation to his physical environment, as determining his dispersal over the face of the earth, his mode of life, and the density of population. It traces the bearings of the natural surroundings upon man's physical and mental characteristics, and follows this fundamental and necessary adjustment through the history of the family and the State and in the evolution of the forms of economic life. First Semester, fifty-four exercises, [3].

4. Social Statistics and Applied Sociology. This course has for its foundation an inquiry into the chief results of Vital Statistics, such as birth and death rates, the mortality from different diseases and under varying social and climatic conditions. These data are then brought into connection with Crime, Pauperism, and Social Reform. It is the Biological side of social life. Second Semester, fifty-four exercises, [3].

For further courses in Sociology, see Tuck School.

## PHILOSOPHY

PROFESSOR CAMPBELL AND ASSISTANT PROFESSOR HORNE

1. Psychology. Elementary Course. Outlines of the science. Description and explanation of the phenomena of the mental life. Recitations and readings. (James' Psychology, Briefer Course.) First Semester, thirty-six exercises, [2].

PROFESSOR HORNE.

2. Introductory Logic. A study of the outlines of deductive and inductive reasoning with especial reference to fallacies, argumentation, the nature of thought, and the logic of certainty and probability. Recitations and readings. (Creighton's Introductory Logic.) Second Semester, thirty-six exercises, [2].

PROFESSOR HORNE.

Juniors are required to elect either Course 1 or 2.

3. Advanced Logic. The Science of Thought. This course considers not the conditions under which valid thinking is possible, but the



nature of thinking itself. Recitations and readings. (Everett's Science of Thought.) First Semester, thirty-six exercises, [2].

PROFESSOR HORNE.

4. Introduction to Philosophy. A general survey of the field of philosophy, with especial reference to the definition of its problem, its spirit, its method, and its relation to the various sciences; the doctrine of nature and of mind, of knowledge and of being. Recitations and readings. (Ladd's Introduction to Philosophy.) Second Semester, fifty-four exercises, [3].

PROFESSOR HORNE.

5. Advanced Psychology. Philosophy of the mental life, physiological and comparative; animal intelligence, heredity; mental pathology; hypnotism and mind reading; freedom of will; nature and immortality of the soul. Students choose special lines for independent study. Reports presented to class for discussion. The work in Mental Pathology and Hypnotism affords important aid in preparation for legal and medical studies. Recitations, lectures, and readings. (Wundt's Human and Animal Psychology.) First Semester, fifty-four exercises, [3].

PROFESSOR CAMPBELL.

This course must be preceded by Course 1. Students will be assisted in the physiological problems of Psychology by taking Biology 6 before the Elementary Course, and Biology 8 before the Advanced Course. For a course in Social Psychology, see Sociology 6, Tuck School.

6. *Æsthetics*. Philosophy of the Fine Arts. Historical development of Architecture, Sculpture, Painting, Music, and Poetry. Recitations and lectures with photographic and stereopticon illustrations. Students choose special topics for theses to be presented to the class. (Kedney, Hegel's *Æsthetics*.) Second Semester, thirty-six exercises, [2].

PROFESSOR CAMPBELL.

Further study of Architecture, Sculpture, and Vase Painting under Greek 13, and 14, — of Roman building and Wall-Painting under Latin 18 and 19.

7. History of Philosophy. Ancient Period. A study of the progressive steps in constructive thought from the earliest times to the birth of accredited Science and Philosophy at the close of the Socratic era. The History of Schools of thinking is treated in its concrete relation to national events, and involves an outline of the Philosophy

of History. Lectures, recitations, and readings. First Semester, thirty-six exercises, [2].  
PROFESSOR CAMPBELL.

8. Modern Philosophy. History of the national developments of philosophic thinking which have followed the Reformation, in Germany, Italy, France, Great Britain, and America; rise of great personal representatives of Modern Thought; also tendencies and Schools of Philosophy. Second Semester, thirty-six exercises, [2].

PROFESSOR CAMPBELL.

9. Ethics. It is the purpose of Ethics to establish the common foundation of the Moral, Social, and Political Sciences. The total subject embraces three divisions: Historical, Theoretical, and Practical. The Historical exhibits the progressive theories until the founding of Modern Ethics. The Theoretical is an exposition of the principles of man's moral nature, and of the laws of its development in terms of environing conditions. The Practical classifies scientifically, rights and duties as personal, social, civil, and theistic. Lectures, discussions, and readings. First Semester, thirty-six exercises, [2].  
PROFESSOR CAMPBELL.

10. Philosophy of Religion. The unitary in ethnic religions; the Greek pantheon as a system of Ethics; validation of theistic ideas: rational development of the spiritual life; sacred books; claims and dominant ideas of Christianity. Among the references are: Tiele's Science of Religion; Campbell's Religion in Greek Literature; Kellogg's Genesis of Religion; Harris' Philosophical Basis of Theism; Caird's Philosophy of Religion; Fairbairn's Philosophy of Religion and of History; Wright's Scientific Aspects of Christian Evidences, — the last used as a text-book. This course is intended quite as much for all who are seeking a rational basis for religious opinions as for those who have in mind the ministerial work. Recitations, lectures, synopses of critical readings, discussions. Second Semester, thirty-six exercises, [2].  
PROFESSOR CAMPBELL.

11. Systematic Philosophy. Independent investigation at the sources of some important philosophical work, ancient or modern. Selection may be made from Greek, Latin, German, French, or English texts. It is the aim to develop a competency for exact research according to the methods of recent literary and historical criticism. First Semester.  
PROFESSOR CAMPBELL.

12. Early Greek Philosophy. A study in the original Greek of the teachings (extant) of the Pre-Socratic philosophers. Translations and discussions. (Fairbanks' First Philosophers of Greece.) Second Semester, thirty-six exercises, [2]. PROFESSOR CAMPBELL.

Open only to those who are acquainted with the Greek language. A study of the later Greek philosophy is given under Greek 11.

13. Philosophy of History. Origin and development of Civilization. Critical historical studies accompanied by lectures and recitations. A good knowledge of the German language is requisite. Ancient period, First Semester. PROFESSOR CAMPBELL.

14. Advanced Ethics. Study and discussion of Kant's *Kritik der praktischen Vernunft*, or of Green's Prolegomena. Second Semester. PROFESSOR CAMPBELL.

Courses 11, 13, and 14 are intended for graduate students, hours and days to be arranged with the instructor. They may, however, be elected by undergraduates who have taken all the preceding courses in Philosophy.

## EDUCATION

ASSISTANT PROFESSOR HORNE

The general aim of the courses here given is threefold:

(1) To acquaint college men with the nature of education and of its function in society; (2) to prepare men for the profession of teaching; (3) to fit men to direct educational activities as school superintendents, principals, members of governing boards, etc.

The courses cover the main aspects of education, its theory, its history, its science, and its practice. The theory of education, a psychological account of the genesis of the power of the mind and the nature of the main influences that educate, is presented in Course 1. The history of education, both systems and educators, is presented in Course 2. The science of education, method in teaching, is presented in Course 2 of the Graduate Department of

**Pedagogy.** The practice of education, problems of school supervision and management, together with a further consideration of the theory of physical, intellectual, and moral education, and a discussion of contemporary problems of education, are presented in the Pedagogical Seminary.

Courses 1 and 2 are intended for Seniors and are general and introductory. The Pedagogical Seminary and the Science of Education are for Graduate Students and are professional in character.

1. **The Philosophy of Education.** This course attempts two things, (1) to define the nature of the mind and its growth from the lower to its higher powers; (2) to characterize the influence upon the mind of each of the institutions of society that educate, viz., the family, the school, the state, the church; with especial reference to the educational influence of the disciplines of the school, viz.: Mathematics, Science, Philosophy, Literature, and History. Assigned private readings. (Harris, *Psychologic Foundations of Education*.) First Semester, fifty-four exercises, [3].

Open to the Senior Class.

2. **The History of Education.** This course will treat the subject as a part of the History of Civilization, and will contain a general survey of past educational theory and practice. The educational ideals of the far East, Greece, Rome, and the Middle Ages will be considered in outline. Especial attention will be given to the history of education and teaching in Europe since the Renaissance, and some time will be devoted to contemporary education in the United States. The purpose throughout will be to enable the student wisely to interpret present educational aims in the light of their historical evolution. Assigned private readings. (Painter's *History of Education* and Quick's *Educational Reformers*.) Second Semester, fifty-four exercises, [3].

Open to Seniors, and to Juniors who have had Philosophy 1, after consultation with the Instructor.

## GRADUATE DEPARTMENT OF PEDAGOGY

PROFESSOR C. D. ADAMS, DIRECTOR. PROFESSORS J. K. LORD, SHERMAN, WORTHEN, BARTLETT, PATTEN, FOSTER, W. A. ADAMS, EMERY, NICHOLS, DOW, HORNE

The Graduate Department of Pedagogy was organized at the beginning of the college year, 1900-1901, to give a year of definite training to men holding the bachelor's degree who wish to prepare for the work of instruction or management in secondary schools. Special attention is given to the courses which prepare directly for college.

The work of this year is not designed as the beginning of a course of study in a specialty looking toward the doctor's degree, but as a course fitting the candidate for the immediate work of teaching in the secondary schools. This will be obtained through two lines of work: the study of educational theory and history, and the study of one or more departments of elementary work, with a view to mastery of detail and methods of instruction. These courses will be supplemented by lectures by men engaged in secondary education, and by detailed reports of the student's own examination of the daily work in some of the best schools.

The centre of the work of the department will lie in the Pedagogical Seminary, of which every student of the department must be an active member, and in the advanced course of lectures on pedagogy required of all.

Grouped about this more general work are the courses in the several subjects as outlined below. Every student in the department must elect a major graduate course in some one subject; the time to be given to this course, and the collateral work that must accompany it, will be determined in each case by the instructor. The student may elect such additional courses as may be determined on conference with the Director, by whom all schedules must be approved. While the chief work of the year should be pedagogical, students will be expected to do some advanced work in their chosen fields of study under the direction of the several instructors. The nature of this work will be determined by the needs of the individual student.

The following graduate courses are offered; all of these courses continue through the year.

### PEDAGOGY

1. *Pedagogical Seminary.* Subject for the year: Problems in education; in particular, the nature of education, contemporary problems in education, and the art of school supervision. The nature of education in Course 1, page 134, is considered primarily from the intellectual point of view; here more especial reference will be had to physical and moral education. The contemporary problems considered will be those that centre especially about the secondary school, its aim, its function, its course of study, and its relation to the college. The discussion of school supervision will cover those problems that confront superintendents and principals of schools in their relation to the school committee, the community, their teachers, pupils, and school buildings. Soon after the Seminary is organized each member will select for personal investigation some special topic in education in which he is interested, and his results will be presented to the Seminary in not less than one written paper each semester. A few meetings will be devoted to practice teaching. Text-books, theses, written reports, and discussions. Two exercises a week, [2].

PROFESSOR HORNE.

2. *The Science of Education.* The practical application of the science of psychology to the art of teaching. This course will consist of a series of thirty-six lectures on educational method, considering in particular the meaning of education, the nature of mind, the disciplines by which it is educated, and the methods of instruction. The course is intended to furnish teachers a scientific basis for their school-room work. There will be required private readings and a thesis on the method of teaching that branch of study to which the student proposes to devote himself especially. Candidates for this course must have had the Junior Course in Psychology or its equivalent.

Students who have not had the undergraduate courses in the Philosophy of Education and the History of Education will be required to take those courses with Course 2 in this department. One exercise a week, [1].

PROFESSOR HORNE.

## GREEK

The Greek course in Pedagogy will include a review of all preparatory work, beginning with the Greek Reader. It will involve drill in pronunciation, the study of method in teaching each subject, the discussion of the more difficult grammatical points, methods of acquiring skill in sight reading, of increasing vocabulary, and securing accuracy in detail.

Students in this course will be required to do a considerable amount of private reading in an author assigned by the instructor.

The undergraduate courses in Greek Language (Greek 7 and 8) are essential to the work of this year, and must be elected by graduate students who have not taken them as undergraduates.

The Greek course in Pedagogy is open to students who have taken the undergraduate courses in Greek, amounting to three hours a week, at least to the end of Sophomore year, and who are, in the judgment of the instructor, fitted to begin the work of the course.

PROFESSOR C. D. ADAMS.

## LATIN

The work of these courses will be of two kinds. One will be advanced study intended to enlarge the student's knowledge of the Latin language and literature, and requiring some independent research. The other will outline the work of preparation for College, and will follow it through the Latin Reader, Caesar, and Vergil. Careful attention will be given to pronunciation, including hidden quantity, and its application to metrical reading, to syntax, to the knowledge of forms, to derivation, to reading at sight, to composition, and in general to the method and character of grammatical drill. In some cases undergraduate courses will be allowed or required in addition to the course outlined above.

Students wishing to enter the Latin courses in Pedagogy must have taken the undergraduate courses, amounting to three hours a week, at least to the end of Sophomore year, and must have given satisfactory evidence that they are qualified to enter upon the courses in Pedagogy.

PROFESSOR J. K. LORD.

## ENGLISH

The English course in Pedagogy will consist of the detailed study of preparatory English and of advanced work in composition and literature. The review of preparatory work will be made with constant reference to methods of teaching both literature and composition, to the consideration of text-books, and to the correction of students' written work. The advanced course will consist of instruction in composition, with constant practice, and of the careful study of certain masterpieces of English and American literature, particularly of those books which are required for entrance to College. The whole aim of the course will be to fit the students to become teachers of English in secondary schools.

The English course in Pedagogy is open to students who have taken the undergraduate courses in English at least to the end of Junior year, or their equivalent in Senior year; and who, in the opinion of the instructor in charge of the course, are competent to pursue and profit by the course.

PROFESSOR EMERY.

## FRENCH

The course offered in French will consist of a study and classification of French sounds, and drill in the pronunciation and reading aloud of French; a careful review of the essentials of French grammar, with exercises in composition to illustrate them; practice in writing French at dictation and in giving paraphrases and brief resums in French of a given text; discussion of methods of teaching French and of the value and place of various authors and text-books in a graded scheme of elementary instruction in the language.

Although this course is intended primarily as a language drill, a portion of it will be devoted to the special study of an author. In 1901-1902, Victor Hugo will be the author selected for this.

PROFESSOR DOW.

## GERMAN

The work will consist of two parts: (a) Direct preparation for the teaching of German in preparatory schools. (b) Course of study of an advanced character.

(a) Careful study of methods, the difficulties of teaching pronunciation, the subject of composition, paraphrasing, dictation, word-



formation, enlarging the vocabulary. Detailed study of courses in elementary German. Discussion of text-books. The geography and leading facts concerning Germany.

- (b) Some particular author—perhaps Lessing or an advanced course in Goethe—or some special period of German Literature will be taken up. A considerable amount of reading will be supplemented by a critical study of particular writings. Study of the life of the author and his position in German Literature. Brief outline of German Literature. Advanced Composition and conversation.

PROFESSOR W. A. ADAMS.

This course will be open only to those who have had three years of German, and who, in the judgment of the instructor, are qualified to pursue this course.

### MATHEMATICS

The work in Mathematics will require a three hours' course, both Semesters. Arithmetic, algebra, geometry, and trigonometry will be taken up in order, especial emphasis being laid on the work of the high schools in these subjects. A careful study will be made of at least three standard text-books in each subject; outlines will be formed and text-books compared. Methods of presenting the most important topics will be fully discussed. Each subject will be carried considerably beyond the high school limits. The historical development of each subject will be thoroughly investigated in connection with their natural order of sequence. Actual work accomplished in the classroom will be noted by personal observation throughout the year. The proper foundation for the course requires a fair knowledge of analytic geometry and calculus, and any who do not present these, on admission to the department must take a three hours' course in each for one Semester.

PROFESSORS SHERMAN AND WORTHEN.

### PHYSICS

The work offered in the Physical department to fit men taking Physics as a major subject, for teaching in secondary schools, will consist of two advanced three-hour courses in Theoretical Physics, practice in Physical Manipulation, reading and criticism of elementary texts and popular lectures on physical subjects. The work in total will require an equivalent of at least six hours per week for one year.

The work offered for students who wish to make Physics a minor subject will require at least three hours per week throughout the year, and will include one three-hour course in Theoretical Physics, practice in simpler manipulation, reading and criticism of elementary texts.

In all cases an effort will be made to adapt the instruction to the individual needs of the candidate in view of his previous training. Physics, either as a major or a minor subject, should be chosen only after consultation with the department.

The condition for admission to the course of Pedagogy with Physics as a major subject is that the candidate shall have had in his undergraduate work Courses 1 to 5 inclusive in Physics, or their equivalents. For admission with Physics as a minor subject Courses 1 to 4 inclusive, or their equivalents, are required.

PROFESSOR NICHOLS.

## CHEMISTRY

The course includes a careful review of elementary chemistry with discussion of the method of presenting the more difficult subjects, practice in the preparation of reagents and simple apparatus, and the comparison and criticism of various elementary text-books.

Each student will also do advanced laboratory work on special lines assigned by the instructor.

The course is open to students who have completed Courses 2, 3, 4, 5, 7, or equivalents.

PROFESSOR BARTLETT.

## BIOLOGY

The nature of the graduate course will vary to meet the requirements of the individual. It will ordinarily consist of training in the collection and preparation of the animals and plants useful for demonstration in secondary schools; the study of their life history as far as practical in the field; the construction of home-made apparatus, and the methods of performing such simple experiments on living organisms as are suitable for the public schools; and criticism of methods of presentation of special topics in the field, laboratory, and class-room. Opportunity will be given to obtain practical experience in teaching by assisting the regular instructors in the elementary courses.

Candidates for this course must have done creditable work representing the equivalent of six hours a week for two years in Zoölogy and Botany.

The candidate should have taken at least one three-hour Semester course in each of the following subjects: — General Biology, Invertebrate Zoölogy, Comparative Anatomy of Vertebrates, Cryptogamic Botany, and Phanerogamic Botany. The remaining time, of three hours for one year, may have been given to more advanced courses in either Zoölogy or Botany.

PROFESSOR PATTEN.

## HISTORY

The work will include (1) training in practical methods of teaching in the schools and (2) study adapted to the special needs of the individual.

1. To give clear and practical guidance in the "maze of possibilities" of the modern methods of teaching History, the student will at once be set to reading carefully one or more of the best recent textbooks in the four courses recommended for the secondary schools, and will discuss these with the instructor. He will be asked, in connection with this work, to read the Report of the Committee of Seven to the American Historical Association on "The Study of History in Schools," and to apply its recommendations by making a plan of work for at least two courses, finding a place for such definite use of textbooks, supplementary reading, "sources," written work, map work, and lectures as shall interest and develop the real boy and girl in the secondary school. After studying the programmes of a few of the best schools in Germany and this country, he will be expected to observe and criticise in detail the actual work in one or two, and then attempt to adapt his plan to the actual possibilities of these schools.

2. To round out his own historical knowledge, he may be advised to take courses not already elected in college. For training in power of criticism and insight, he will be asked to read entire some one of the best examples of modern historical writing, and discuss its merits or limitations; and to present the results of his own investigation of a topic, limited in scope, based mainly on contemporary sources. This course is open to those who have taken three years of college history, or to teachers whose experience may be considered a fair equivalent for some of such courses.

PROFESSOR FOSTER.

## OUTLINE OF STUDIES

## FRESHMAN YEAR

c indicates Classical Course.

L indicates Latin-Scientific Course.

s indicates Chandler Scientific Course.

All courses have the same studies after Sophomore year.

## FIRST SEMESTER

C PRESCRIBED		L PRESCRIBED		S PRESCRIBED	
	hrs.		hrs.		hrs.
Greek 1	3	French 5, or }		French 5, or }	
Latin 1	3	German 5 }	3	German 5 }	3
English 1	3	Latin 1	3	Graphics 1, or }	
Mathematics 1	4	English 1	3	Biology 3 }	3
	—	Mathematics 1	4	English 1	3
	13		—	Mathematics 1 a, 3	4
			13		—
					13
ELECTIVE (choose one)		ELECTIVE (choose one)		ELECTIVE (choose one)	
	hrs.		hrs.		hrs.
French 1	3	German 1	3	German 1	3
German 1	3	French 1	3	French 1	3
	— 3		— 3		— 3
	16		16		16

## SECOND SEMESTER

C PRESCRIBED		L PRESCRIBED		S PRESCRIBED	
	hrs.		hrs.		hrs.
Greek 2	3	French 6, or }		French 6, or }	
Latin 2	3	German 6 }	3	German 6 }	3
English 2 a, 2 b	3	Latin 2	3	English 2 a, 2 b	3
Mathematics 2, 4, 4 a	4	English 2 a, 2 b	3	Mathematics 6, 8	4
	—	Mathematics 2, 4, 4 a	4		—
	13		—		10
			13		
ELECTIVE (choose one)		ELECTIVE (choose one)		ELECTIVE (choose two)	
	hrs.		hrs.		hrs.
French 2	3	German 2	3	German 2 }	
German 2	3	French 2	3	French 2 }	3
	— 3		— 3	Graphics 2 }	
	16		16	Biology 10 }	3
					— 6
					16

Students presenting Mathematics II will take the Mathematics prescribed in the Chandler Scientific Course; those presenting only Mathematics I will take the Mathematics prescribed in the Classical or Latin-Scientific Courses.

SOPHOMORE YEAR

c indicates Classical Course.

L indicates Latin-Scientific Course.

s indicates Chandler Scientific Course.

FIRST SEMESTER

C PRESCRIBED		L PRESCRIBED		S PRESCRIBED	
	hrs.		hrs.		hrs.
Physics 1	3	Physics 1	3	Physics 1	3
History 1	3	History 1	3	History 1	3
Greek 3, a or b, or }	3	Latin 3	3	Graphics 3	3
Latin 3	—	French 3, or 7 }	3	French 3, or 7 }	3
	9	German 7, or 3 }	—	German 7, or 3 }	—
ELECTIVE (choose 7 hrs.)	hrs.	ELECTIVE (choose 7 hrs.)	hrs.	ELECTIVE (choose 7 hrs.)	hrs.
Latin 3, or }	3	French 3, or 7 }	3	French 3, or 7 }	3
Greek 3, a or b }	3	German 7, or 3 }	3	German 7, or 3 }	3
French 1, or 3 }	3	Latin 3	3	English 3	4
German 1, or 3 }	3	English 3	4	Mathematics 9 }	4
English 3	4	Mathematics 5, 7 }	4	Mathematics 5, 7 }	4
Mathematics 5, 7 }	4	Biology 1	4	Biology 1	4
Biology 1	4	French 9, or 11 }	2	French 9, or 11 }	2
French 9 }	2	German 13 }	2	German 13 }	2
German 13 }	2	Latin 5	2		—
Latin 5	2		—		16
Greek 3	2		16		
	16				

SECOND SEMESTER

C PRESCRIBED		L PRESCRIBED		S PRESCRIBED	
	hrs.		hrs.		hrs.
Physics 2	3	Physics 2	3	Physics 2	3
History 2	3	History 2	3	History 2	3
Greek 4, or }	3	Latin 4	3	Graphics 4	3
Latin 4	—	French 4, or 8 }	3	French 4, or 8 }	3
	9	German 8, or 4 }	—	German 8, or 4 }	—
ELECTIVE (choose 7 hrs.)	hrs.	ELECTIVE (choose 7 hrs.)	hrs.	ELECTIVE (choose 7 hrs.)	hrs.
Latin 4, or }	3	French 4, or 8 }	3	French 4, or 8 }	3
Greek 4 }	3	German 8, or 4 }	3	German 8, or 4 }	3
French 2, or 4 }	3	Latin 4	3	Chemistry 2	3
German 2, or 4 }	3	Chemistry 2	3	English 4	4
Chemistry 2	3	English 4	4	Mathematics 10 }	4
English 4	4	Mathematics 10 }	4	Mathematics 12 }	4
Mathematics 10 }	3	Biology 2	4	Biology 2	4
Biology 2	4	French 10, or 12 }	2	French 10, or 12 }	2
French 10	2	German 14 }	2	German 14 }	2
German 14	2	Latin 6	2		—
Latin 6	2		—		16
Greek 4 a	2		16		
	16				

## JUNIOR YEAR

All courses have the same studies after Sophomore year.

## FIRST SEMESTER

PRESCRIBED		ELECTIVE		ELECTIVE	
	hrs.		hrs.		hrs.
Economics 1	3	French 3	3	Graphics 3 a	3
English 7	3	French 7	3	Physics 3	3
	—	French 9	2	Physics 5	3
	6	French 11	2	Chemistry 2 (1)	3
		French 13	3	Biology 3	3
		Spanish 1	3	Biology 7	3
ELECTIVE		Spanish 3	3	History 3	3
	hrs.	Italian 1	3	History 5	3
Greek 7	3	German 7	3	Philosophy 1	2
Greek 11	3	German 9	3		
Latin 7	4	German 11	3	(Each student must elect	
Latin 9 a	3	German 13	2	9 or 10 hours.)	
English 5	3	German 15	3		
English 5 a	3	Mathematics 15	1		
		Mathematics 15 a	2		

## SECOND SEMESTER

PRESCRIBED		ELECTIVE		ELECTIVE	
	hrs.		hrs.		hrs.
Political Science 2	2	French 4	3	Chemistry 2 (or 4)	3
Philosophy 2 <sup>1</sup>	2	French 8	3	Biology 4	3
	—	French 10	2	Biology 6	2
	4	French 12	2	Biology 8	2
		French 14	3	Biology 10	3
		Spanish 2	3	Mineralogy 2	2
ELECTIVE		Spanish 4	3	History 4	3
	hrs.	Italian 2	3	History 6	3
Greek 8	3	German 8	3	History 8	3
Greek 12	3	German 10	3	History 10	3
Latin 8	3	German 12	3	Economics 2	3
Latin 12	1	German 14	2	Sociology 2	3
Latin 16 a	2	German 16	3	Philosophy 2	2
Latin 18	2	Mathematics 14	2		
English 8	3	Engineering 2	3	(Each student must elect	
		Physics 4	3	12 to 14 hours.)	
		Astronomy 2	3		

Studies with classes below, not previously taken, may be elected.

<sup>1</sup> Prescribed for those who did not elect Philosophy 1 in the First Semester.

# OUTLINE OF STUDIES

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## SENIOR YEAR

All courses have the same studies after Sophomore year.

### FIRST SEMESTER

ELECTIVE	hrs.	ELECTIVE	hrs.	ELECTIVE	hrs.
Greek 9	1	Italian 1	3	Geology 1	3
Greek 11	3	German 7	3	History 3	3
Greek 13	3	German 9	3	History 5	3
Latin 7	4	German 11	3	Modern History 1	3
Latin 9 a	3	German 13	2	Economics 3	3
English 5	3	German 15	3	Political Science 3	2
English 9	3	Mathematics 17	2	Political Science 5	3
English 11	3	Mathematics 19	2	Sociology 3	3
French 7	3	Physics 7	3	Philosophy 5	3
French 9	2	Astronomy 3	3	Philosophy 7	2
French 11	2	Chemistry 5	4	Philosophy 9	2
French 13	3	Chemistry 7	4	Education 1	3
Spanish 1	3	Biology 9	4		
Spanish 3	3	Human Anatomy 1	3		

(Each student must elect  
14 to 16 hours.)

### SECOND SEMESTER

ELECTIVE	hrs.	ELECTIVE	hrs.	ELECTIVE	hrs.
Greek 10	3	German 8	3	History 4	3
Greek 12	3	German 10	3	History 6	3
Greek 14	3	German 12	3	History 8	3
Latin 8	3	German 14	2	History 10	3
Latin 12	1	German 16	3	Modern History 2	3
Latin 16 a	2	Mathematics 16	2	Economics 4	3
Latin 18	2	Mathematics 18	3	Economics 6	2
Hebrew 2	3	Physics 8	3	Political Science 4	1½
English 10	3	Physics 10	3	Political Science 6	3
English 14	3	Astronomy 6	3	Political Science 8	2
French 8	3	Chemistry 6	4	Sociology 2	3
French 10	2	Chemistry 8 a	4	Sociology 4	3
French 12	2	Chemistry 8 b	4	Philosophy 6	2
French 14	3	Human Anatomy 2	1	Philosophy 8	2
Spanish 2	3	Biology 6	2	Philosophy 10	2
Spanish 4	3	Biology 8	2	Education 2	3
Italian 2	3	Biology 10	3		
		Mineralogy 2	2		

(Each student must elect  
14 to 16 hours.)

Studies with classes below, not previously taken, may be elected.

### THAYER SCHOOL COURSE

Engineering 3	72 half-days	Engineering 8	16 half-days
Engineering 4	55 "	Engineering 9	26 "
Engineering 5	50 "	Engineering 10	17 "
Graphics 5	40 "	Engineering 11	36 "
Engineering 6	60 "	Engineering 12	26 "
Engineering 7	50 "	Graphics 6	24 "

### TUCK SCHOOL COURSE

	hrs.		hrs.
English 15, 16	1	Modern History 1, 2	3
French 9 or 11, 10 or 12	3	Economics 3, 4, 6	3
Spanish 1, 2	2	Political Science 3	2
German 13, 14	2	Sociology 3, 4	3

### PROPORTION OF PRESCRIBED AND ELECTIVE STUDIES

The same number of exercises, prescribed and elected, is required in each of the three courses.

In the Freshman year, thirteen exercises a week are prescribed, and three exercises a week must be elected.

In the Sophomore year, nine exercises a week are prescribed, and seven exercises a week must be elected.

In the Junior year, on the average about one-fourth of the exercises are prescribed.

In the Senior year, all exercises are elective. Optional studies also are offered during this year.

### RULES GOVERNING THE ELECTION OF STUDIES

(1) Every student, in making his elections, must meet the requirements and conform to the conditions of the studies he may choose, as set forth above in the "Departments of Instruction," and in the "Outline of Studies." The choice of any elective involves the same requirement in respect to attendance and scholarship as for a prescribed study.

(2) Elections for the second Semester must be communicated to the Dean, in writing, on or before January 10, and for the first Semester on or before June 1.

(3) A student may elect studies assigned to a class below his own, subject to the approval of the instructor concerned. No student will be allowed to elect a study with a class above his own, or any group of electives involving with his required courses more than a total number of sixteen exercises a week, except by vote of the Committee on Administration.

(4) Any student failing to make his elections at the specified time shall pay to the College Treasurer three dollars.

(5) Any student who, having made his elections, desires to change, shall make application to the Dean, with a statement in full of his reasons; but



(6) No changes from one elective study to another may be made after the student has begun work in the study first chosen.

(7) The Faculty will ordinarily withdraw any elective study not chosen by at least four students.

### EXAMINATIONS

The regular examinations in each course of study are held in the middle and at the close of the year.

A student who fails to pass any regular examination will have but one opportunity to make good the deficiency, and failing in this second trial, which must be taken in the half-year following the original examination, he will be obliged to repeat the course with the next class.

### REPORTS OF STANDING

A report is sent twice yearly to the parent or guardian of each student, giving his standing in the class.

The standing given is, except where there are unexcused absences, the general average for scholarship. This average is determined by combining the average of recitation marks with that of examination marks in all the studies of the Semester, in the ratio of three to one.

Upon the scale used, 100 is the highest, and 0 the lowest mark; but no standing is obtained when the student's recitation or examination mark is below fifty in any study.

For each unexcused absence from recitation in excess of those allowed in each subject (as many as the subject is scheduled hours per week) a deduction of 5 per cent from the recitation mark in that subject will be made.

For each unexcused absence from church and chapel, standing is lowered *one*. (Thus an average for scholarship of 85, with three unexcused absences, gives a standing of 82.)

The student's rank is determined by his position in one of six grades, viz.: Excellent, (E.); Very good, (V. G.); Good, (G.); Fair, (F.); Poor, (P.); Deficient, (D.); corresponding to the numerical averages, 93-100; 85-93; 75-85; 65-75; 50-65; 0-50.

The co-operation of parents with the Faculty is earnestly solicited, in their efforts to maintain a high standard of scholarship and deportment in the College, and to promote the welfare of all committed to their care.

## LOSS OF STANDING IN CLASS

A student loses standing in his class when he is obliged to repeat with a lower class courses covering five or more hours a week in either Semester. This loss of standing may arise from failure to receive a recitation rank of 50 in the work of five hours, or from failure in a second examination of the work of five hours, or from a combination of the two. Loss of standing causes enrollment in a lower class.

## ATTENDANCE AT EXERCISES

In Freshman year, attendance is required continuously through each term, at the morning, forenoon, and afternoon exercises. For Sophomore, Junior, and Senior years, the hours at which exercises occur are announced in a time-table published each Semester.

The *morning* exercise takes place on each week-day, either at 8.10 A. M., or (when there are two divisions in a subject) at 8.10 and 9 A. M. The *forenoon* exercise takes place on each week-day, either at 11 A. M., or at 10 and 11 A. M. (In winter the morning and forenoon exercises begin one-half hour later.) The *afternoon* exercise takes place on Mondays, Tuesdays, Thursdays, and Fridays, either at 3 P. M., or at 2 and 3 P. M.

Attendance is further required of all students at daily college prayers, on week-days at 7.50 A. M. (in winter 8.15 A. M.), and on Sundays at 5.30 P. M.; also at public worship on Sunday forenoon.

## DEGREES

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The degrees of Bachelor of Arts, Bachelor of Letters, and Bachelor of Science are conferred by the Board of Trustees, on the recommendation of the Faculty, upon those who have duly completed the Classical, Latin-Scientific, and Chandler Scientific courses, respectively. For degrees with Honors, see page 156.

The degrees of Master of Arts, Master of Science, and Doctor of Philosophy will be conferred under the following conditions:

(1) The degree of M.A. will be conferred upon Bachelors of Arts and Bachelors of Letters of the College who shall have pursued, under the approval of the Faculty, a course of liberal, non-professional study, in residence at the College for one year, or, provided the approval of the Faculty shall have been first obtained, in the graduate department of any other College or University for a similar period, and shall have passed an examination upon such course of study with high credit, and presented a satisfactory thesis upon the special subject of such study.

(2) The degree of M.A. will also be conferred upon Bachelors of Arts and Bachelors of Letters of the College of at least three years' standing, who shall have pursued, under the approval of the Faculty, a course of liberal, non-professional study, while not in residence at any College or University, for a period equivalent to that prescribed in the case of resident graduate students (not less than one year), and shall have passed an examination upon such course of study with high credit, and presented a satisfactory thesis upon the special subject of such study.

(3) The degree of M.S. will be conferred upon Bachelors of Science of the College under the same conditions that are prescribed for the degree of M.A.

(4) The Faculty at its discretion may select one person from the candidates for the Master's degree in any year, to read and to defend his thesis in public at Commencement.

(5) Persons who have received the Bachelor's degree in any other College, whose requirements for that degree are equal to those of this College, may be recommended for the corresponding Master's degree on the same conditions that are prescribed for graduates of this College, except that the specified course of liberal, non-professional study, of not less than one year, must be pursued in residence at this College.

(6) Resident candidates for the degrees of M.A. or M.S. shall be charged the same tuition as undergraduates. They shall be charged also a fee of ten dollars for the degree. Non-resident candidates for the same degrees shall be charged a fee of ten dollars for registration and of twenty-five dollars for examination and verification of thesis and for the degree.

(7) The degree of Ph.D. is at present offered in the departments of Biology, Geology, and Sociology only. Whenever other departments, singly or in groups, have sufficient teaching force and equipment to offer courses leading to this degree, announcement will be made in the catalogue. Meanwhile, graduates of the College who wish to become candidates in departments not mentioned above, are advised to seek the degree at graduate schools which are prepared to confer it.

(8) A candidate for the degree of Ph.D. must have received a Bachelor's degree from this College or from a College whose degrees are accepted as equivalent to its own, and he must satisfy the Committee on Graduate Instruction that he is properly prepared for the graduate work in the department in which he is an applicant for a degree. He must pursue graduate studies for at least three years after taking his Bachelor's degree. Two of these years must be in residence at this College. The other year may be spent in graduate study at an approved institution.

(9) Graduates of this College who have received the degree of M.A. or M.S. under the rules in force since 1894, and in courses which form a part of the work announced by the department as leading to the degree of Ph.D., may count this work as a year toward the degree.

(10) Candidates for the degree of Ph.D. are required to present themselves for examination in three related subjects, a major and two

minor. The requirements in each minor subject shall not be less than all the required and elective undergraduate courses in that subject, or their equivalent. The graduate work in the major subject will consist largely of original investigation of a definite problem, the results of which are to be embodied in a thesis that shall contain some original contribution to knowledge, together with an historical and critical summary of the pertinent literature.

(11) Candidates for the degree of Ph.D. are charged the same tuition as undergraduates. They are also charged a fee of twenty-five dollars for the degree.

### SPECIAL REGULATIONS

(1) Applicants for an advanced degree, whether resident or non-resident, are required to announce to the President on a blank which will be furnished by the Dean of the Faculty on application, as early as the fifteenth of September of each year, the particular branches of study to which they wish to give attention during the year, together with all needed statistics and facts. The supervision of their work will then be entrusted to the Committee on Graduate Instruction.

(2) The subject of the thesis must be announced to the President as early as the first of February of the college year in which the applicant expects to take the degree.

(3) The thesis must be completed and put into the hands of the chairman of the Committee on Graduate Instruction as early as the first of June.

(4) Every non-resident candidate must send a written report of the progress of his work to this committee through the head of the department at least twice a year, in December and in June.

# HONORS

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## COMMENCEMENT APPOINTMENTS

The speakers at Commencement are appointed by the Faculty on the basis of excellence in general scholarship for the entire college course. The appointees are grouped into classes in accordance with their relative rank.

## RUFUS CHOATE SCHOLARS

Students who attain a rank of 92 are designated "Rufus Choate Scholars." The designation is entirely a term of honor and carries with it no pecuniary allowance. The assignment is made at the close of each year, and the names of such scholars are to be announced by the Dean, and published in the annual catalogue.

## HONORS

For excellence in special departments of study, three grades of honors are awarded by the Faculty,—Honorable Mention, Honors, and Special Honors.

### HONORABLE MENTION

Honorable Mention is awarded in the following courses of study to students who obtain an average rank of 93 per cent in the courses specified below for each department :

GREEK, for Courses 1, 2 a, 3 a, and 4; or for Courses 1, 2 a, 3 a, and 4 a, or 1, 2 a, 3, and 4.

LATIN, for Courses 1, 2, 3, 4; or for Courses 1, 2, 3 or 4, and 5 or 6.

ENGLISH, for Courses 1, 2 (a), 3, and 4.

FRENCH, for any *four* of the following Courses: 1, 2, 3, 4, 5, 6, 7, 8, 13, 14.

GERMAN, for Courses 1, 2, 3, and 4; or for Courses 5, 6, and 7 or 9, and 8 or 10.

MATHEMATICS, for Courses 1, 2, 4, 4 a, 5, 7, 10, and 11; or for Courses 1 a, 3, 6, 8, 9, and 12.  
 GRAPHICS, for Courses 1, 2, 3, and 4.  
 PHYSICS, for Courses 1, 2, and either 3 or 5.  
 ASTRONOMY, for Courses 2, 3, 4 or 6.  
 CHEMISTRY, for Courses 2, 3, 4, and 5 or 7.  
 GEOLOGY, for Courses 3, 4, and 6.  
 MINERALOGY, for Courses 2 and 3, and Geology 1.  
 HISTORY, for Courses 1 and 2, and any two courses in Junior year.  
 ECONOMICS, for Courses 1, 2, 3, and 4.  
 POLITICAL SCIENCE, for Courses 2, 3, 4, and 5.  
 POLITICAL SCIENCE, for Courses 3, 6, and Economics 1 or 3, and History 4 or 5.  
 PHILOSOPHY, for Courses 1, 8, and 9.

The names of students receiving Honorable Mention are printed in the annual catalogue published next after the award.

## HONORS

Honors are awarded in the following departments of study to students who maintain an average rank of 93 per cent in the courses specified below for each department, and who in addition pass with credit a special examination at the close of the work:

GREEK, one three-hour course in each Semester of Junior and Senior years.  
 LATIN, one three-hour course in each Semester of Junior and Senior years.  
 ENGLISH, Courses 1, 2 (a), 3, 4, 5, 6, 7, 8.  
 FRENCH, Courses 11, 12, or 13, 14, and any two of the following courses: 15, 16, 17, 18, 19, 20.  
 GERMAN, any three of Courses 7, 8, 9, 10, and Courses 15, 16.  
 MATHEMATICS, Courses 9 and 12, or 10 and 11, and 13, 14, 15, 15 a, 16, 17, 18.  
 GRAPHICS, all courses in Civil Engineering.  
 PHYSICS, Courses 3, 4, 5, and any one of Courses 6, 7, 8, 10.  
 CHEMISTRY, Courses 2, 3, 4, 5, 6, and 8 b.  
 ZOÖLOGY, courses in Biology 1, 2, 4, 8.  
 BOTANY, courses in Biology 1, 2, 3, 10.  
 HISTORY, four elective courses, not included in Honorable Mention, and one of Courses 6, 8, 10.  
 SOCIOLOGY, all the undergraduate courses.  
 PHILOSOPHY, Courses 2, 5, 7, 10.

## SPECIAL HONORS

Special Honors are awarded in the departments specified below to those who fulfil the conditions mentioned hereafter.

Any student who attains the average rank of 85 per cent in the studies of Junior year, or who attains 93 per cent in any department, with an average of at least 80 per cent in all departments, in the studies of Sophomore and Junior years, will be allowed to become a candidate for Special Honors in any department in which he has attained a rank of 90 per cent. Students who are thus entitled to become candidates for Special Honors, and who wish to do so, must give written notice to that effect to the Dean of the Faculty and to the officer in charge of the department in which Special Honors are sought, on or before the 15th of October of their Senior year, and must fulfil the following conditions :

(a) They must take the elective courses indicated below in the department in which they seek Special Honors, and must also pursue such additional courses of study and collateral reading or investigation as shall be prescribed. At the close of the year they must pass a special examination covering their work in the department, including the courses of collateral reading or investigation presented for Special Honors, and designed to test the range and accuracy of their work.

(b) They must also, if required, present theses satisfactory to a committee appointed by the Faculty, embodying the result of their special study. The subjects of theses shall be announced not later than March 1, and the theses must be handed to the Dean of the Faculty not later than June 10 of Senior year.

(c) They must maintain their general standard of scholarship, and if their average rank falls below 80, or if it falls below 70 in any one department in any Semester, they will be required to discontinue their work for Special Honors.

(d) No student will be allowed to become a candidate for Special Honors in more than one subject, without a special vote of the Faculty.

Special Honors may be sought in the following departments :

GREEK — Continuous work in Greek throughout the course, covering all Greek courses of Freshman year, two courses in Sophomore year, one of which must be a three-hour course, and an average of four hours a week in



Junior and Senior years. The candidate will do additional work, equivalent to at least one three-hour course for a year, to be assigned at the opening of Senior year; he will be examined on this work and on his general attainments in Greek at the end of Senior year. A thesis is required.

**LATIN** — Work in the elective courses of Junior and Senior years amounting to four hours a week; an examination on the work of some Latin author not covered in the course, and also a general examination upon Latin Literature, with more special reference to the period to which the particular author studied belonged. A thesis is required.

**ANCIENT CLASSICS** — Courses in Greek and Latin covering an average in each of three hours a week in Junior and Senior years. Special study in one of the two languages amounting to the work of a three-hour course for Senior year will be required, and the final examination will cover this study, as well as the general work in the two languages. A thesis in connection with the subject of special study may be required.

**ENGLISH** — All courses, with examinations on all courses of Junior and Senior years, and upon two authors outside the course, amounting to three hours for Senior year. A thesis will be required.

**FRENCH** — Any *six* of the following courses: 11, 12, 13, 14, 15, 16, 17, 18, 19, 20. A thesis will be required.

**GERMAN** — Any two of Courses 7, 8, 9, 10, and Courses 13, 14, 15, 16, with collateral reading and study. A thesis will be required.

**MATHEMATICS** — All courses, and advanced work in Calculus, and its applications. A thesis may be required.

**PHYSICS** — All courses and the completion of some simple research problem described in a thesis.

**ZOOLOGY** — Courses in Biology 1, 2, 3, 4, 8, 9, 12, with special laboratory work and collateral reading. A thesis may be required.

**BOTANY** — Courses in Biology 1, 2, and all the courses in Botany, with collateral reading and such additional work as may be indicated by the instructor.

**HISTORY** — Candidates must take all elective courses offered by the department, together with additional courses of study, collateral reading, and investigation. At the close of the year they must pass a special examination covering the work of the department and the additional work.

**ECONOMICS** — All courses, with collateral reading and study amounting to three hours a week for Senior year.

POLITICAL SCIENCE — Courses, 3, 4, 5, 6, with collateral reading and study amounting to three hours a week for Senior year.

PHILOSOPHY — Candidates must take at least eight courses, and do original, critical work in Greek philosophy, or in German philosophy. Thesis will be required.

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Any student who has an average rank for his entire college course of 90 per cent, or who has received Honorable Mention in two departments and Honors in one department, or who has received Honorable Mention in one department and Special Honors in another, shall receive a degree *cum laude*.

Any student who has received an average rank for his entire college course of 92 per cent, or who has received Honorable Mention and Honors in two departments, or who has received them in one department, together with Special Honors in another, shall receive a degree *magna cum laude*.

Any student who has an average rank for his entire college course of 94 per cent, or who has received Honorable Mention and Honors in two departments, together with Special Honors in any department, shall receive a degree *summa cum laude*.

The names of recipients of Honors are printed on the Commencement programme and in the annual catalogue.

## THE HENRY E. PARKER FELLOWSHIP

The value of the fellowship is \$500 a year, and may be held for two years. The holder of the fellowship shall be some graduate of the year of his appointment, recommended by the Faculty. If judged advisable by the Faculty, he may be allowed a year for special preparation before entering upon the duties of his fellowship or receiving the income attached to it. During the time in which he is upon the fellowship he shall pursue advanced studies, not professional, subject to the approval of the Faculty. He shall also regard himself as committed to an engagement as a teacher in the College for the year after his fellowship expires, in case the College requires his services, at the usual compensation for the grade of his appointment.

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## RESIDENT GRADUATE SCHOLARSHIPS

Four scholarships, yielding three hundred dollars each for one year, have been provided for graduates of the College who wish to continue their studies in residence. These scholarships are designed particularly for those who intend to teach, but are not limited to those who have this end in view.

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## SCHOLARSHIPS AND BENEFICIARY AID

### I—ENTRANCE SCHOLARSHIPS:

Four scholarships for Freshman year, based upon entrance examinations, are available for each entering Class.

They are as follows:

The Samuel Leland Powers Scholarship	
established by Samuel Leland Powers, of Boston	\$100
The David Jewett Scholarship	
given by his sons, Rev. William R. Jewett and David B. Jewett	100
The New Hampshire State Scholarship	
offered to any applicant from New Hampshire, and applied to tuition and to room-rent in the College Buildings	125

**The College Scholarship**

open to all applicants, and applied to tuition and to room-  
rent in the College Buildings . . . . . \$150

The competition for these scholarships is regulated by the following conditions :

(1) Examinations are to be taken at the College or at places specified in the catalogue (pages 84-85) for the June examination.

(2) No scholarship will be granted to an applicant who does not obtain a rank of at least 85 on a scale of 100,—that being the percentage which indicates Honor rank at graduation.

(3) Scholarships will be assigned on the merits of the examination.

(4) These scholarships are open to those only who require pecuniary aid.

**II — CLASS SCHOLARSHIPS :**

Twelve scholarships, four to each class, corresponding in amounts to those named under Entrance Scholarships, are available to applicants from the Sophomore, Junior, and Senior Classes. Of these, six are of \$100 each, covering tuition,—three of \$125, covering tuition and room-rent in the College Buildings (open to students from New Hampshire only),—three of \$150, covering tuition and room-rent in the College Buildings.

These scholarships are awarded upon the basis of the work of the year preceding that for which they are assigned. In ordinary cases none will be given except to those who attain a grade of 90 on a scale of 100, and above that grade they will be assigned according to rank. Like the Entrance Scholarships, they are open to those only who require pecuniary aid.

**III — BENEFICIARY AID, associated with merit in scholarship :**

Beneficiary aid is given chiefly in the form of scholarships, of which there are about two hundred, specified below, each yielding an annual income of fifty dollars. This amount may be increased through faithfulness and proficiency in study to sums of seventy-five and eighty-five dollars.

Scholarships of this order are of three grades :

**GRADE A** — Scholarships of \$50 each, given as beneficiary aid, but requiring full standing in class,—with rank of at least 50 on a scale of 100.

GRADE B — Scholarships of \$75, including beneficiary aid, given to those who attain a rank of 75 (70 in Freshman year) and also to those who, without attaining this rank, show marked faithfulness in attendance and study.

GRADE C — Scholarships of \$85, including beneficiary aid, given to those who attain a rank of 85.

The amount of the scholarship in grades B and C, in excess of the \$50 as beneficiary aid, is determined by the student's attendance and work Semester by Semester. No allowance is made for this additional amount in the payment of tuition, unless the rank of the previous Semester has been determined. Students having deficiencies must pay on the basis of beneficiary aid only.

The following rules govern the bestowal of beneficiary aid, and, with the exception of the first, are applicable to all scholarships :

(1) Applications accompanied by suitable testimonials must be made in writing to the President in due season.

(2) No student who is not in full standing shall receive beneficiary aid or a scholarship.

(3) In addition to the restrictions which may be imposed by the donors of scholarships, the conditions of careful economy in personal expenses and of abstinence from intoxicating liquors are imposed by the College. The application for the renewal of beneficiary aid from year to year must be accompanied by a complete statement of income and expenditure during the year preceding.

(4) Beneficiary aid will be assigned at the beginning of each year, and any change may be made that the Faculty deems desirable.

The income applicable to beneficiary aid is derived as follows :

I — From lands and funds given by the State of New Hampshire, with an annual income equivalent to seventy scholarships. These scholarships are limited to residents of the State.

II — From funds amounting to \$14,000 raised by subscription in 1823, "for the education of pious young men in Dartmouth College studying for the gospel ministry." The income from these funds is applied in fourteen scholarships.

III — From funds amounting to \$7,000 given by Mrs. Clark of Portsmouth, New Hampshire, and by other persons. The income from these funds is devoted to students studying for the ministry, and is applied in seven scholarships.

IV — From funds amounting to \$6,100 given by the Conferences of Grafton, Hillsborough, Cheshire, Merrimack, Rockingham, and Strafford Counties in New Hampshire, also devoted to students for the ministry, and constituting six scholarships.

V — From funds amounting to \$11,000 given by Jeremiah Kingman, of Barrington, New Hampshire, to found the "Kingman Scholarships," eleven in number. "In applying the income annually of one thousand-dollars, the preference shall be given to some student from the town of Strafford; and in applying the income of the other ten thousand dollars, preference shall be given to one student from each of the ten counties in the state of New Hampshire."

VI — From funds amounting to \$10,000 given by Mrs. Betsey Whitehouse, of Pembroke, New Hampshire, to establish the "John S. Jenness Foundation." By the provisions of the donor, "A worthy and needy applicant from each of the ten counties of the State of New Hampshire shall receive, by preference, the income of one of these scholarships." Another gift of \$1,000 by Mrs. Whitehouse is included in the following general list.

VII — From funds given to found scholarships as follows :

The Aiken Scholarship	
given by Jonas B. Aiken of Franklin, N. H.	\$1000
The William Lawrence Baker Scholarship	
given by Mrs. Caroline A. Lawrence of Winsted, Conn.	1000
The George W. Benson Scholarship	
given by Mrs. Maria T. Benson of Lawrence, Mass.	1000
The Bouton Scholarship	
given by the family of Nathaniel Bouton, D.D., of Concord, N. H.	1500
The Richard Boylston Scholarship	
given by the family of Richard Boylston of Amherst, N. H.	1000
The Joseph P. Brooks Scholarship	
given by Joseph P. Brooks of Chicago	1000
The Emily Clark Brown Scholarship	
given by Edward J. Brown, M.D., of Minneapolis, Minn.	1000
The Burleigh Scholarship	
given by George W. Burleigh of Great Falls, N. H.	1000
The Carr Scholarship	
given by William Carr of Newport, N. H.	1000
The George E. Chamberlain Scholarships	
given by Mrs. Addie D. McAlpine of New York City	5000
The Cilley Scholarship	
given by Jacob G. Cilley of Manchester, N. H.	1000

# SCHOLARSHIPS

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The Lizzie C. Converse Scholarship		
given by Miss Sarah E. Converse of Burlington, Vt. . . .		\$1000
The Cushing Scholarship		
given by G. W. B. Cushing of New York City . . . .		1000
The Dodge Scholarship		
given by William E. Dodge of New York City . . . .		1000
The Edgell Scholarship		
given by George S. Edgell of New York City . . . .		1000
The John M. Ellis Scholarship		
given by Mrs. Josephine M. Ellis of Milford, N. H. . . .		1000
The Horace Fairbanks Scholarship		
given by Horace Fairbanks of St. Johnsbury, Vt. . . .		1000
The Thaddeus Fairbanks Scholarship		
given by Thaddeus Fairbanks of St. Johnsbury, Vt. . . .		1000
The Fairfield Scholarship		
given by Josiah H. Fairfield of Hudson, N. Y. . . . .		1000
The Fogg Scholarship		
given by William H. Fogg of New York City . . . .		1000
The Richard Foster Scholarship		
given by Sarah B. Foster of Washington, D. C. . . . .		2500
The Gookin Scholarship		
given by Warren D. Gookin of New York City . . . .		1000
The Gordon Scholarships		
given by Nathaniel Gordon of Exeter, N. H. . . . .		2000
The Greene Scholarship		
given by William H. Greene of Buffalo, N. Y. . . . .		1000
The Grimes Scholarship and		
The Mrs. James W. Grimes Scholarship		
given by James W. Grimes, LL.D., of Burlington, Ia. . . .		2000
The Mary Harris Scholarship		
given by Mrs. Mary Harris of Manchester, N. H. . . . .		1000
The Tracy H. Harris Scholarship		
given by Tracy H. Harris of New York City . . . . .		1000
The Mrs. Adaline Hartshorn Scholarship		
given by Mrs. Adaline Hartshorn of Manchester, N. H.		
(awarded preferably to sons of missionaries) . . . . .		1000
The Haven Scholarships		
given by bequest of Eliza A. Haven to establish six scholarships		9000
The Hitchcock Scholarship		
given by Hiram Hitchcock of Hanover, N. H. . . . .		1000
The Ephraim E. Howard Scholarships		
given by James T. Howard of St. Johnsbury, Vt. . . .		5700
By the provisions of the donor not available at present		

The Hunt Scholarship	
given by Seth B. Hunt of New York City . . . . .	\$1000
The Hutchinson Scholarship	
given by John B. Hutchinson of New York City . . . . .	1000
The Leonard Jewett Scholarship	
given by Rev. Leonard Jewett of Hollis, N. H. . . . .	700
The Kendrick Scholarship	
given by Professor Henry I. Kendrick of West Point, N. Y. . . . .	1000
The Kimball Scholarship	
given by Benjamin A. Kimball of Concord, N. H., annually, \$60	
The Kittredge Scholarship	
given by Moses Kittredge, of St. Johnsbury, Vt. . . . .	1000
The Knight Scholarship	
given by Miss C. Knight . . . . .	1000
The Henry H. Ladd Scholarships	
given by Henry H. Ladd of Portsmouth, N. H. . . . .	5000
The Betsey R. Lang Scholarships	
given by Mrs. Betsey R. Lang of South Boston, Mass. . . . .	5000
The Mary Langdon Scholarship	
given by William T. Savage, D.D., of Godfrey, Ill. . . . .	1000
The Lawrence Scholarship	
given by Aaron Lawrence of Amherst, N. H. . . . .	1000
The Lue Lawrence Scholarship	
given by Miss Sarah Lucretia Lawrence of Amherst, N. H. . . . .	1000
The Mary H. Lord Scholarship	
given by Mrs. Mary H. Lord of Andover, Mass. . . . .	1000
The Sarah Reid McMurphy	
The Henry James McMurphy	
The Abby Frances McMurphy Scholarships	
given by bequest of Mrs. Sarah R. McMurphy of Derry, N. H. . . . .	5000
The William G. Means Scholarships	
given by William G. Means of Boston, Mass. . . . .	2000
The Morton Scholarship and	
The Daniel O. Morton Scholarship	
given by Levi P. Morton of New York City . . . . .	2000
The Nesmith Scholarship	
given by George W. Nesmith of Franklin, N. H. . . . .	1000
The Daniel Nettleton Scholarship	
given by Fred H. Nettleton of St. Paul, Minn. . . . .	1000
The William W. Niles Scholarship	
given by William W. Niles of New York City . . . . .	1000
The Albert Onion and	
The John P. Williams Scholarships	
given by Mrs. Abigail W. Onion of Chester, Vt. . . . .	2000



The Parker Scholarship			
Memorial of Edith Florence Parker			
given by Joel Parker, LL.D., of Cambridge, Mass.	.	.	\$1000
The Peaslee Scholarship			
given by Professor Edmund R. Peaslee, M.D., LL.D., of New York City	.	.	1000
The William Rand Scholarship			
from Estate of William Rand of Rochester, N. H.	.	.	1000
The Richards Scholarship			
given by Dexter Richards of Newport, N. H.	.	.	1000
The Joel Richardson Scholarship			
given by James B. Richardson, LL.D., of Boston, Mass.	.	.	1000
The John Jones Sargent Scholarship			
given by Jonathan E. Sargent, LL.D., of Concord, N. H.	.	.	1000
The Roswell Shurtleff Scholarship			
given by Mrs. Anna P. Emerson of Hanover, N. H.	.	.	1500
The David A. Simmons Scholarship			
given by David A. Simmons of Roxbury, Mass.	.	.	1000
The Smyth Scholarship Fund			
from Estate of Frederick Smyth of Manchester, N. H.	.	.	4500
The Stanton Scholarship			
given by Samuel Stanton of London, Eng.	.	.	1000
The Stephen N. Stockwell Scholarship			
given by Stephen N. Stockwell of Boston, Mass.	.	.	1000
The Stone Scholarship			
given by Mrs. Benjamin P. Stone of Concord, N. H.	.	.	1000
The Samuel Swan Scholarship and			
The Janet Swan Scholarship			
given by Miss Elizabeth S. Swan of Peterborough, N. H.	.	.	2000
The Tenney Scholarship			
given by William Tenney of Hanover, N. H.	.	.	1000
The William C. Todd Scholarship			
given by William C. Todd of Atkinson, N. H.	.	.	1000
The Trussell Scholarship			
given by J. Trussell of Enfield, N. H.	.	.	1000
The Twombly Scholarship			
given by Horatio N. Twombly of New York City	.	.	1000
The John W. Wallace Scholarship			
given by Mrs. Celia Whipple Wallace of Chicago	.	.	1000
The Wheeler Scholarships			
given by David E. Wheeler of New York City	.	.	2000
The Thomas Whipple Scholarship			
given by Mrs. Celia Whipple Wallace of Chicago	.	.	1000
The Mrs. Betsey Whitehouse Scholarship			
given by Mrs. Betsey Whitehouse of Pembroke, N. H.	.	.	1000

**The Dr. Chase Wiggin Scholarship**

given by Dr. Chase Wiggin of Providence, R. I. . . . 2250  
 By the provisions of the donor two-thirds of the income is  
 awarded.

**The George F. Wingate Scholarship**

given by Isabel C. Wingate of Exeter, N. H. . . . 1000

**Luke Wood Fund for Scholarships**

Bequest of Martha W. Brown of Hartford, Conn. . . . 4850

**The Dutton Woods Scholarship**

given by Miss Maria Woods of Concord, N. H. . . . 1000

**The Woodward Scholarship**

given by Dr. Ebenezer Woodward of Quincy, Mass. . . . 1000

**The Henry G. Jesup Scholarship**

given by Professor Henry G. Jesup, Hanover, N. H. . . . 1200

Some additional aid is furnished in the way of compensation to those students who are appointed by the Dean as monitors and by the Librarian as assistant librarians.

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## PRIZES

I. RHETORICAL PRIZES. 1. *The Grimes Prizes.* Two prizes, of *twenty-five* and *fifteen* dollars respectively, given by JAMES W. GRIMES, LL.D., of Iowa, are offered to the Senior Class for excellence in English Composition.

2. *The Lockwood Prizes.* Two prizes of *twelve* and *eight* dollars respectively, given by LEGRAND LOCKWOOD, of New York, are offered to the Junior Class for excellence in English Composition.

3. *Pacific Coast Alumni Association Prize.* A prize of *fifteen* dollars, given by the Dartmouth Alumni Association of the Pacific Coast, is offered to the Sophomore Class for the best essay on a subject in American Literature.

4. *Dramatic Prizes.* Two prizes, of *sixty-five* and *thirty-five* dollars respectively are offered to members of the Senior and Junior Classes for excellence in Dramatic Composition.

II. ORATORICAL PRIZES. 1. *The Rollins Prizes.* The sum of *one hundred* dollars, annually contributed by the heirs of EDWARD H. ROLLINS, of Concord, New Hampshire, is awarded in three prizes of *forty*, *thirty-five*, and *twenty-five* dollars respectively, for excellence in Declamation, to be contested for by three students from each of the three lower classes in the College.

2. *The Smith and Class of 1866 Prizes.* Two prizes, of *thirty* and *twenty* dollars respectively, given by PROFESSOR JUSTIN H. SMITH, are offered to the Senior Class for excellence in Extemporaneous Oratory, to be contested for by four students. Two prizes, of *thirty* and *twenty* dollars respectively, annually contributed by WALDEMER OTIS, of New York City, in the name of the CLASS OF 1866, are offered to the Junior and Sophomore Classes for excellence in Original Orations, to be contested for by two students from each of these classes.

III. LATIN PRIZES. Two prizes, of *twelve* and *eight* dollars respectively, established by the CLASS OF 1846, are offered to the members of the Junior Class who shall maintain the best positions, and pass the best examinations in the studies of the Latin Department, including Latin Compositions.

IV. GREEK PRIZES. Two prizes, of *twenty-five* and *fifteen* dollars respectively, established by the joint gift of EDWARD SPALDING, LL.D., and JOSIAH G. DAVIS, D.D., and named the ATHERTON PRIZES, are offered to the members of the Junior Class who shall maintain the best positions and pass the best examinations in the prescribed and elective studies of the Greek Department.

V. MATHEMATICAL PRIZES. Two prizes, of *twenty-five* and *fifteen* dollars respectively, given by GENERAL SYLVANUS THAYER, LL.D., of Braintree, Massachusetts, are offered to the members of the Sophomore Class for excellence in Analytic Geometry and the Differential and Integral Calculus.

VI. MODERN LANGUAGE PRIZE. By the will of THOMAS J. W. PRAY, M.D., of Dover, New Hampshire, the sum of *one thousand* dollars has been bequeathed to the College, "the income of which shall be given to the best scholar, throughout the entire collegiate course, in Modern Languages."

VII. PRIZE FOR GENERAL IMPROVEMENT. A prize of *forty* dollars, given by JAMES W. GRIMES, LL.D., is annually awarded to "that member of the Senior or Graduating Class, who, in the judgment of the College Faculty, has made the most satisfactory progress during his College course, taking into consideration his preparation for the course when he entered."

VIII. MECHANICAL DRAWING. Two prizes, of *fifteen* and *ten* dollars respectively, are offered by CHARLES R. SPALDING, B.S., of

Chicago, to the members of the Junior Class (Chandler Scientific Course), for the best sets of Mechanical Drawings, comprising Iso-metrical, Tinted, and Descriptive Geometry Drawings, and Surveying Plots.

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## TERM BILLS

[*Extracts from the "Laws of The Trustees"*]

Chapter IX. 1. "Each student shall be charged for tuition, including all incidentals, except the use of the Library (\$6.00, a fixed charge) and Laboratories (according to use), one hundred dollars a year; amended October 5, 1900, by making the tuition one hundred and ten dollars, to *include* Library dues and membership in College Hall, see page 171. Room-rent in the college dormitories will be determined by choice of rooms, heat, care, etc."

2. "The term bills of each year are to be paid in two equal instalments. The first payment is due at the beginning of the first Semester (students entering College pay first charge for tuition before matriculation); the second on March 10 succeeding. Any delay in payment beyond seven days from these dates, without excuse from the Dean, shall subject the student to loss of standing. Any students failing to make payment within this time shall be entered upon the books of the treasurer as delinquents, and shall be so reported to the Dean, and notification of the delinquency shall be given to parents or guardians."

3. "No student shall be dismissed from College on request unless he shall have paid all his term bills, including the current term; nor shall any student be entitled to a degree until all his College bills are discharged."

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Entering students who have been granted scholarship aid will be credited with \$25 on their tuition bill of the first Semester, leaving \$30, balance of tuition, to be paid before matriculation; if the scholarship of such student, to be determined at the end of the first Semester, entitles him to a larger credit, allowance will be made upon the term bill of the second Semester.

Students receiving scholarship aid to the amount of \$50 will pay \$30 tuition each Semester.

Students receiving scholarship aid to the amount of \$75 will pay \$17.50 tuition each Semester.

Students receiving scholarship aid to the amount of \$85 will pay \$12.50 tuition each Semester.

All students not receiving scholarship aid will pay \$55 tuition each Semester.

The laboratory fee in the department of Biology is \$3 for each course.

The laboratory fee in the department of Physics is \$3 for each course in Junior year and \$5 for each later course.

The laboratory fee in the department of Chemistry is as follows : Course 2, \$2 ; Courses 3 and 4, \$4 ; Courses 5, 6, 7, 8, \$4, each.

The laboratory fee in the department of Mineralogy is \$3 for each course.

Room-rent is payable in two instalments, one half at the beginning of the first Semester and one half on March 10 succeeding.

Electric lights, 16 candle-power, including lamps, are furnished at \$7 a year per lamp.

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## EXPENSES

Expenses may be estimated as follows :

Tuition, including Library dues and membership in College Hall . . .	\$110.00	to	\$110.00
Text-books . . . . .	10.00	to	20.00
Laboratory Fees (if courses elected) . . . . .	6.00	to	15.00
Room-Rent . . . . .	10.00	to	150.00
Fuel and lights . . . . .	13.00	to	40.00
Board from \$3.00 to \$5.00 a week . . . . .	111.00	to	185.00
Washing . . . . .	15.00	to	30.00
	<u>\$275.00</u>	to	<u>\$550.00</u>

Room-rent, fuel, and lights are estimated on the supposition that two students occupy the same room.

Other incidental expenses, such as furniture, expenses in societies, class-taxes, travelling expenses, etc., vary according to circumstances, and with the character and habits of the individual, and are not included in the above estimate.

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## DORMITORIES

The dormitories of the College accommodate about five hundred students. There are sixty single rooms, one hundred and seventy-five suites for two, and twenty suites for three.

The dormitories are of two kinds, — those heated by steam, with janitor service; and those heated by steam, without janitor service.

In the first class are: Reed Hall, with nineteen rooms in suites for two or three, accommodating forty-four students; the Sanborn House, erected in 1894, with single rooms and with suites for two, accommodating fifty students; the Crosby House, erected in 1896, with single rooms and suites for two or three, with separate bedrooms, accommodating forty students; Richardson Hall, erected in 1897, with single rooms, and suites for one or two, accommodating fifty-six students; Hubbard House, first occupied in 1899, and accommodating thirteen students; Fayerweather Hall, erected in 1900, with single rooms, and suites for one, two, or three, accommodating eighty students; and College Hall, in process of erection, to contain single and double rooms accommodating about fifty students.

In the second class is Hallgarten Hall with an annex, arranged in single rooms, and in suites for two, three, or four, accommodating thirty-six students; Thornton Hall, with single and double rooms, accommodating forty-five students; Wentworth Hall, with double rooms accommodating forty-five students; Dartmouth Hall accommodating twenty-five students; and Elm House with accommodations for twenty-two students.

Richardson Hall is provided with fireplaces in most of the suites, and in a few suites with bath-rooms; there are bath-rooms and water-closets on each floor; Crosby House is provided in nearly all its suites with fireplaces, and is furnished with bath-rooms and water-closets on each floor; Fayerweather Hall is furnished with bath-rooms and water-closets on each floor, in each of the three sections, and with shower-bath in the basement of each section. Sanborn

House is furnished with bath-rooms and water-closets on each floor; Hallgarten Hall with bath-room and water-closets on the second floor; Reed Hall with bath-rooms and water-closets on the second floor; Thornton and Wentworth Halls with bath-rooms and water-closets on first floor; Dartmouth Hall is also furnished with water-closets in the basement at either end, and Elm House with bath and water-closets in basement.

All rooms in the College buildings, except College Hall, are unfurnished.

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PRICES OF ROOMS IN THE COLLEGE BUILDINGS,  
1900-1901

DARTMOUTH HALL, with steam-heat, without care.

Rooms for one occupant, No. 4, \$50; No. 6, \$56; No. 12, \$60.

Rooms for two occupants, No. 4, \$60; Nos. 2, 6, 8, 10, \$70; Nos. 3, 5, 9, \$74; No. 12, \$76; Nos. 1, 11, \$80; No. 7, \$84.

Rooms for three occupants, Nos. 2, 10, \$81; Nos. 3, 5, \$84; No. 9, \$87; No. 1, \$90; No. 11, \$96; No. 7, \$102.

THORNTON HALL, with steam-heat, without care.

Rooms for one occupant, No. 14, \$44; No. 3, \$48; Nos. 4, 7a, 12, \$50; No. 22, \$54; Nos. 5, 20, \$56; No. 11, \$58; No. 24, \$60; No. 7b, \$62; No. 18, \$68; No. 10, \$66; Nos. 13, 15, 17, 19, 21, 23, \$70; No. 9, \$72; No. 16, \$76.

Rooms for two occupants, Nos. 12, 20, 22, \$70; Nos. 7b, 11, \$80; No. 18, \$82; No. 10, \$84; Nos. 8, 13, 15, 17, 19, 21, 23, \$86; Nos. 2, 16, \$92; Nos. 1, 9, \$96.

Rooms for three occupants, Nos. 22 and 24, \$129; Nos. 10 and 12, 18 and 20, \$138; Nos. 13 and 15, 17 and 19, 21 and 23, \$156; Nos. 9 and 11, \$152.

WENTWORTH HALL, with steam-heat, without care.

Rooms for one occupant, Nos. 14, 22, \$54; No. 12, \$55; Nos. 4, 20, \$56; Nos. 16, 24, \$60; Nos. 1, 2, 3, 5, 7, \$65; No. 10, \$66; No. 18, \$68; Nos. 9, 11, 13, 15, 17, 19, 21, 23, \$70.

Rooms for two occupants, No. 22, \$70; Nos. 4, 12, 20, \$72; Nos. 16, 24, \$76; No. 2, \$80; Nos. 1, 3, 5, 7, 18, \$82; Nos. 10, 19, 21, 23, \$84; Nos. 9, 11, 13, 15, 17, \$86.

Rooms for three occupants, Nos. 22 and 24, \$130; Nos. 2 and 4, 10 and 12, 18 and 20, \$138; Nos. 1 and 3, 5 and 7, \$144; Nos. 21 and 23, \$154; Nos. 9 and 11, 13 and 15, 17 and 19, \$156.

**HALLGARTEN HALL**, with steam-heat, without care.

Rooms for one occupant, No. 16, \$30; No. 26, \$40; No. 21, \$45; No. 9, \$50; Nos. 15, 17, 18, 20, \$60.

Rooms for two occupants, No. 21, \$70; Nos. 15, 17, 18, 20, \$80; No. 23, \$90; Nos. 5, 7, 11, 13, \$96; Nos. 8, 10, 12, 14, \$100; No. 24, \$110; Nos. 6 and 8, \$124; Nos. 9 and 12, \$130; Nos. 24 and 26, \$150.

Rooms for three occupants, Nos. 6 and 8, \$144; Nos. 9 and 12, \$150; Nos. 5 and 7, 11 and 13, 24 and 26, \$180; Nos. 8 and 10, 12 and 14, \$186.

**REED HALL**, with steam-heat and care.

Rooms for one occupant, No. 12, \$56; No. 18, \$96.

Rooms for two occupants, No. 4, \$100; No. 3, \$102; Nos. 5, 6, \$106; Nos. 1, 2, 7, 8, 9, 10, \$110; No. 16, \$114; No. 11, \$116; No. 14, \$120; Nos. 18, 19, \$122; No. 15, \$124; No. 17, \$130; No. 13, \$132.

Rooms for three occupants, Nos. 1, 2, 7, 8, 9, 10, \$135; No. 15, \$162; No. 17, \$165; No. 13, \$168.

**SANBORN HOUSE**, with steam-heat and care.

Rooms for one occupant, Nos. 25, 27, \$50; Nos. 10, 18, 26, 28, A, \$60; No. 29, \$70; Nos. 17, 19, 21, 23, \$90; Nos. 2, 9, 20, 22, 24, \$100; Nos. 3, 5, 7, 11, 13, 15, \$110; Nos. 1, 4, 6, 8, 12, 14, 16, \$120.

Rooms for two occupants, Nos. 10, 18, 29, \$90; Nos. 17, 19, 21, 23, \$110; Nos. 9, 20, 22, 24, \$120; Nos. 3, 5, 7, 11, 13, 15, \$130; Nos. 1, 4, 6, 8, 12, 14, 16, \$140.

**CROSBY HOUSE**, with steam-heat and care.

Rooms for one occupant, No. 23, \$60; No. 17, \$100; Nos. 16, 22, \$120; No. 7, \$130; No. 14, \$140.

Rooms for two occupants, No. 17, \$120; Nos. 16, 22, \$140; No. 7, \$150; Nos. 1, 14, 19, 21, \$160; Nos. 3, 9, \$170; Nos. 2, 11, 13, 15, 18, \$180; No. 4, \$190; Nos. 5, 10, 21, \$200; Nos. 6, 8, 13, 20, \$220; No. 12, \$240.

Rooms for three occupants, No. 20, \$240; No. 12, \$300.

**RICHARDSON HALL**, with steam-heat and care.

Rooms for one occupant, No. 22, \$50; No. 13, \$60; Nos. 1, 2, 28, \$100; Nos. 10, 27, \$110; No. 18, \$120; Nos. 9, 19, \$130.

Rooms for two occupants, Nos. 1, 2, 23, 24, \$130; Nos. 5, 6, 14, 15, \$150; No. 4, \$190; No. 3, \$210; Nos. 25, 26, \$220; No. 30, \$240; Nos. 7, 8, 16, 17, 29, \$250; No. 12, \$260; Nos. 11, 20, \$280; No. 21, \$300.



Rooms for three occupants, Nos. 18 and 20, \$400; Nos. 19 and 21, \$430.

FAYERWEATHER HALL, with steam-heat and care.

Rooms for one occupant, No. 36, \$40; Nos. 24, 29, \$50; Nos. 39, 40, \$70; Nos. 45, 46, 51, 52, \$75; Nos. 3, 4, 9, 10, 15, 16, \$80; Nos. 2, 38, \$85; No. 41, \$90; Nos. 47, 53, \$95; Nos. 1, 5, 11, 17, 19, 37, \$100; Nos. 6, 7, 20, 21, 42, \$110; No. 12, \$120.

Rooms for two occupants, Nos. 33, 34, \$80; No. 35, \$100; Nos. 1, 19, 37, \$120; Nos. 6, 7, 13, 20, 21, 23, 28, 42, 43, 49, \$130; Nos. 12, 18, 25, 26, 30, 31, 48, 54, \$140; No. 22, 150; Nos. 8, 14, 27, 32, 44, 50, \$160.

A diagram giving the location of each room or suite of rooms, with dimensions, number of occupants allowed, and price, will be sent upon application to the Dean.

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## COLLEGE HALL

A Building, to be known as College Hall, is in process of erection, to be ready for occupancy at the beginning of the next Academic year. It is situated at the corner of Main and Wheelock Streets, with a frontage of eighty feet on the Campus and one hundred and twenty feet on Wheelock Street. The building carries an extension for a dining hall fifty feet by eighty-five, finished into the roof, capable of providing for two hundred students. College Hall is designed to be the social headquarters of the College. It will be open to all students, to members of the Faculty, and to the alumni. Through the provision made for Commons, it will complement the dormitory system. The lower floor is conveniently divided into club rooms, accommodating the various College organizations. These rooms are also accessible to the general dining hall, and may be used by the alumni at Commencement, or at other times for class suppers. The second and third floors are arranged in suites of rooms for the ordinary use of students during term time and for the use of the alumni at Commencement. On account of this latter use, they will be supplied with the necessary articles of furniture. The building will be heated by steam from the central heating station, and properly supplied with bath-rooms. It will be under the care of a steward and a janitor.

## THE LIBRARY

In its several collections, the College Library represents the accumulations of a century and a quarter. It originated in valuable gifts of books to the first President from English and Scotch societies for promoting religious knowledge; also, from the Rev. John Erskine, Mr. William Dickinson, and others. Similar benefactions have followed, among the more important of which are the Johnson, Phillips, Shattuck, Shurtleff, Parker, Smith, Appleton, Bond, and Grimes donations.

For many years separate libraries were sustained and managed by the public literary societies of the students, known as the Social Friends and the United Fraternity. The Philotechnic Society, organized at a later date among the students of the Chandler School, also made important additions to these collections.

In 1874 the different libraries were consolidated, and put under the control of the College, but the principle of voluntary contribution, by which the collections were so largely gathered, is still maintained, and the annual sum of six dollars is collected from each student, for convenience, with the tuition. According to the agreement through which this annual assessment is made, the selection of books to the value of several hundred dollars yearly is entrusted to a committee of the Seniors.

The main collection, numbering about 85,000 volumes and 20,000 pamphlets, with a large accumulation of newspapers and manuscripts, is in Wilson Hall, a commodious and convenient fire-proof building constructed after the most approved plans of library architecture. The building is heated by steam, elaborately ventilated, and, including the stack-room, lighted by electricity. The books are arranged according to the "expansive system," the classes corresponding as nearly as possible to the departments of instruction in the College. They are catalogued after the method of the "classed-card" catalogue.

Wilson Hall also contains three attractive and well-stocked reading-rooms, for newspapers, magazines, and reference books, and a large art gallery. The latter has just been fitted with shelving of the most recent pattern, supplied with convenient tables, and made available as a departmental reference room. The Library possesses over one hundred portraits in oil, a good collection of photographs for the illustration of art and archæology, coins, curios, etc.

There are department libraries in the Observatory, the Thayer School building, the Y. M. C. A. Rooms, as well as in the Physical, Chemical, Geological, Botanical, and Zoölogical Laboratories, and in the rooms occupied by the departments of Greek, History, Political Science, and Social Science. Provision is to be made for other departments.

The rooms in Wilson Hall formerly used for offices of college administration are now to be used for collections on the subject of education, for the special benefit of the Faculty.

Books may be drawn for two weeks, excepting those volumes added during the college year, which may be retained but one week. Freshmen may retain three books at a time; Sophomores, four; Juniors, five; Seniors, six; Resident Graduate Students, ten; Alumni, four. Persons not connected with the College may use the Library upon the payment of four dollars yearly.

The reading and reference rooms are open on week-days from 8 A.M. to 10 P.M.; on Sunday the reading-rooms are open from 1.30 to 5.30 P.M.

The Library is open for drawing books from 9 A.M. to 12.30 P.M. and from 1.30 to 5 P.M.

Special attention is given to bibliography by courses of instruction, supervision of courses of reading, and personal assistance.

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## SCIENTIFIC EQUIPMENT

### BUTTERFIELD MUSEUM

By the will of the late Ralph Butterfield, M.D., of Kansas City, of the Class of 1839, the College was made the residuary legatee of his estate, in a sum estimated at one hundred and sixty thousand dollars, "for the purpose of founding and forever maintaining a chair and professorship for the purpose of lectures, recitations, and general instruction in paleontology, archæology, ethnology, and other kindred subjects; and for the erection of a building to cost not less than thirty thousand dollars, for the purpose of keeping, preserving, and exhibiting specimens illustrating the aforesaid branches. It is to be optional with the Trustees either to establish a professorship or a series of lectures at stated periods, on the subjects mentioned."

In accordance with the expressed wish of the donor, the Butterfield Museum, a granite and Roman brick structure, one hundred and forty-five by fifty-five feet in dimension, of three stories and a basement, has been erected, and is now occupied by the various departments indicated in the above bequest. Special facilities are offered for instruction in Geology and Mineralogy, in Zoölogy and Botany, and in Archæology and Sociology.

The collections in Geology and Biology are arranged in the Butterfield Museum. They consist of the Frederick Hall collection of minerals and rocks, the Henry Fairbanks collection of birds and insects, restorations of large extinct animals, an extensive herbarium, collections illustrative of archæology, conchology, economic geology, and numerous other specimens, besides topographical models, and a special collection of the rocks of New Hampshire and Vermont, gathered under the auspices of the Geological Survey of New Hampshire. During the year a collection of great value, comprising fifteen hundred specimens of gold, silver, copper, lead, and zinc ores from a section of Montana, forming a complete history of the mineral development of the region, has been presented to the Museum by Clinton H. Moore, Class of 1874, of Butte, Montana.

The main Biological Laboratory is a large room eighty-four by thirty feet, on the north side of the first floor. It is used for the elementary biology courses and for the courses in histology. A similar room in the basement is used for the work in mammalian anatomy and in the comparative anatomy of vertebrates. Adjoining this laboratory is a thoroughly equipped macerating-room. At the west end of the first floor is the laboratory for the embryology course and for the advanced workers. At the east end is a lecture-room, and also a Botanical Laboratory.

In addition to the above named rooms are five private rooms for instructors, a chemical room, two storerooms, and in the basement a room for live animals and the herbarium. All the laboratories are well equipped with the apparatus necessary for practical biological work.

#### PHYSICAL LABORATORY

The Wilder Laboratory, the gift of the late Mr. Charles T. Wilder of Wellesley, Mass., has been occupied since its completion in the summer of 1899 by the department of Physics. The building has a

frontage of one hundred and seven feet, and a depth of fifty-six feet, and a rear projection of fifty-five by thirty-five feet.

The laboratories, lecture and recitation rooms occupy three stories and a basement. The basement contains a well equipped workshop and a dynamo room, magnetic and electrical laboratories, a storage battery room, and a laboratory for constant temperature experiments. A large lecture room (seating 200 persons), arranged for lantern projection, and equipped with many conveniences for the purpose of general lectures in physics, is on the first floor. The floor is further divided into offices for the members of the department, two recitation rooms, an electrical laboratory, and an apparatus room. The general laboratory provided for students in the first course in practical physics occupies a section of the second and third floors. The remainder of these floors is given up to the departmental libraries in physics and astronomy, two apparatus rooms, a chemical kitchen, two suites of rooms for assistants in the department, an unpacking room, and eleven laboratories planned with reference to special work in optics, spectrometry, photometry, photography, acoustics, electric waves, and the heat spectrum.

The building is heated by steam (both direct and indirect radiation) and lighted by electricity. It is supplied, throughout, with water, illuminating gas, and air under pressure; and a part of the building is provided with connections for oxygen and hydrogen gases. The laboratories and lecture rooms are connected by separate circuits with a large switchboard in the basement so that the electrical power of the generators and storage battery is accessible to all parts of the building. Each room is further provided with a separate signal circuit connecting it with a telephone switchboard on the second floor so that time signals may be sent, and other electric communication is easily possible between different parts of the building.

The equipment of the department with instruments and apparatus is being carried forward by the income from funds left the department by Mr. Wilder. The present equipment is adequate for the needs of the lectures in general physics, the junior course in practical physics, and for the advanced courses which are offered.

The nearness of the physical laboratory to the astronomical observatory affords to either department the resources of the other.

## OBSERVATORY

The Shattuck Astronomical and Meteorological Observatory is used for the purposes of instruction. It is provided with the instruments necessary to a complete observatory, including a telescope by Clark, having an aperture of 9.4 inches, and a focal length of 12 feet, with a spectroscope of the highest power and best construction, a four-inch meridian circle, etc.

## CHEMICAL LABORATORY

The Chemical Laboratories occupy the whole of the first and about half of the second floor of Culver Hall. The large northeast room on the second floor has been equipped with about forty new tables for quantitative work, and the balances and library have been transferred to adjoining rooms. In all courses, chemistry is taught by laboratory work, enforced by informal lectures, demonstrations, and short recitations.

## CHANDLER HALL

Through the bequest of the late Frank Willis Daniels, of the Class of 1868, Chandler Hall, recently known as Moor Hall, has been purchased, reconstructed, and enlarged, and fitted for the special uses of the departments of Mathematics and Graphics. The first floor furnishes a large lecture-room, accommodating over two hundred persons, and rooms for the elementary courses in engineering ; the second floor provides four well-arranged rooms for recitation work in mathematics, with private offices for the instructors; the third floor furnishes two rooms for recitations, and a large room for mechanical drawing, with lighting from above.

The basement is devoted to testing and experimental work in the department of Engineering.

## RELIGIOUS SERVICES

Prayers are conducted by the President each week-day morning in Rollins Chapel, and a vesper service is held on Sunday. All undergraduate students are required to be present.

The services of public worship, conducted by some member of the Board of Preachers, are held on Sunday mornings in the College Church. The preacher of the day is also at Bartlett Hall at four o'clock on Sunday afternoons to meet personally any students who may desire a conference with him.

Any student desiring to attend some other church in place of the College Church may indicate his choice at the time of registration. If a change is desired, after the choice has been made, permission must be gained from the Dean.

The Trustees have erected, for the use of the College Young Men's Christian Association, a large and carefully planned building, known as Bartlett Hall, providing a large audience hall and a reading-room, with rooms and ample facilities for Bible-classes, prayer-meetings, receptions, and social intercourse.

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PHYSICAL CULTURE

This department is in charge of a Medical Director, and a Director of the Gymnasium.

The Medical Director lectures on Physiology and Hygiene to the Freshman class during the first Semester. All candidates for the Athletic Teams must be examined by the Medical Director before they can be accepted as members of a team, and each team is under medical supervision during the period in which it is engaged in sports.

The Director of the Gymnasium takes the measurement of all students entering College, and conducts the Gymnastic exercises for the Freshman Class during the winter months. The Gymnasium and Athletic Field are in his charge.

**GYMNASIUM.** This building, erected by the munificence of GEORGE H. BISSELL, Class of 1845, is supplied with necessary apparatus. It

has been refitted on the first floor with the latest improvements in shower and tub baths, closets, and lockers. It is open daily for the use of the students, and during the winter season a regular exercise is required of all members of the Freshman class, and voluntary divisions are formed among members of the other classes. The aim is to reach the large body of students who do not enter into athletic contests, rather than to train athletes.

**ALUMNI ATHLETIC FIELD.** Through the generous contributions of many of the Alumni, an admirable athletic field, with all the modern improvements, has recently been laid out near the College buildings. It is provided with all the necessary facilities for baseball, foot-ball, track athletics, and tennis; including a grand-stand seating six hundred spectators and containing dressing-rooms and shower-baths for the use of the students.

The general supervision of athletics in the College is committed to an Athletic Council, consisting of three non-resident Alumni, three members of the Faculty, and three undergraduates.

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## SANITARY CONDITIONS

The precinct of Hanover is healthfully situated upon a plain two hundred feet above the valley of the Connecticut. A system of waterworks, recently established at an expense of \$65,000, furnishes, in connection with the aqueduct before in use, an ample supply of water for all purposes. The precinct is also supplied with a thorough system of sewers.

In 1898 the College adopted the method of heating its buildings from a central station, and constructed a plant on the most approved plan at a cost of \$50,000; eighteen of its buildings, dormitories, and recitation halls are heated in this way, ensuring a nearly equable temperature.

In case of illness, the Mary Hitchcock Memorial Hospital, constructed upon the latest modern plans, and widely known, since



its opening in 1893, as one of the best cottage hospitals in the country, furnishes the students such care and comfort as is seldom found outside of the larger cities.

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## RAILROAD CONNECTIONS

The railroad station is known as Norwich and Hanover, on the Passumpsic Division of the Boston and Maine Railroad. White River Junction, four miles south of Hanover, is the centre of four lines of railroads: the Concord Division (Boston and Maine system), making connection with Concord, Manchester, Nashua, Lowell, and Boston (four hours and forty minutes to Boston); the Central Vermont Railroad and the Connecticut River Division (B. and M. R. R.), making connection with Springfield, Hartford, New Haven, and New York (eight hours to New York); and also connecting at Greenfield (Fitchburg R. R.) and Springfield (Boston and Albany R. R.) for the West; the Central Vermont Railroad, making connection with Montpelier, Burlington, and the West (thirty hours to Chicago); the Passumpsic Division (B. and M. R. R.), making connection with Wells River, St. Johnsbury, Montreal, and Quebec (eight hours to Montreal).

## SUMMER SCHOOL

A Summer School in charge of members of the Faculty has been established. The first session opened July 5, 1900, and continued four weeks. The principal object was to furnish instruction to teachers in grammar and high schools and academies, but the courses were open to others qualified to take them. The instruction bore directly on classroom work in method and subject-matter, and state requirements for teachers were borne in mind. Much of the work was of college grade with special reference to the preparatory courses.

## COURSES OF INSTRUCTION IN 1900

## EDUCATION AND TEACHING. — PROFESSOR H. H. HORNE

**PSYCHOLOGY AND TEACHING.** The science of psychology applied to the art of teaching. This course consisted of a series of twenty lectures on the method of teaching, with a brief introduction on the nature of mind and the means by which it is educated. The course was intended to furnish teachers a scientific basis for their schoolroom work.

## HISTORY — PROFESSOR H. D. FOSTER

**AMERICAN HISTORY, 1492-1870.** The first part of each exercise was given to the presentation of a topical outline of a period, with references, including a brief lecture on one or two of the topics. Ample opportunity was given students for questions upon the period, the outline, and the practical application of the materials and methods in the secondary schools.

## ENGLISH — PROFESSOR F. P. EMERY

(a) English Literature. The works chosen for study were mainly those required for entrance to college. The object of the course was to ensure acquaintance with the literature itself and to fix some general standards of criticism.

(b) Composition and Rhetoric. And introduction to the study of Rhetoric, with practice in theme correcting.

(c) Courses and Methods of Teaching English.

(d) Readings from Shakespeare.

FRENCH — INSTRUCTOR E. F. LANGLEY

The work was as follows: — Phonetics of French, careful practice in pronunciation; composition and conversation; translation and rapid reading of texts; discussion of problems of teaching French; direction in private literary study.

GERMAN — DR. A. K. HARDY

The course was devoted to pronunciation, composition, and the acquisition of a wider vocabulary. Attention was also given to the different methods in teaching elementary German.

LATIN — PROFESSOR H. E. BURTON

The course consisted of lectures and exercises on the following points: the Latin alphabet and pronunciation; syntax of the moods; the metrical reading of poetry, reading at sight; composition; translations and interpretations of passages from Vergil's *Æneid* and Tacitus' *Agricola*; discussion of Vergil's poems and his relations to his times.

GREEK — PROFESSOR C. D. ADAMS

The work covered the subjects of the three years of the ordinary preparatory course in Greek:

(a) Grammar and reader; methods of teaching beginners, vocabulary, fundamental significance of noun and verb forms, daily outlines for class-work.

(b) Xenophon and Homer; acquisition of vocabulary, sight-reading, writing Greek.

MATHEMATICS — PROFESSOR T. W. D. WORTHEN

(a) Outlines including the more important principles and theorems of Arithmetic, Algebra, Plane and Solid Geometry were carefully considered, and general theorems and applications were discussed.

(b) An elementary course in Analytic Geometry was given, including the fundamental work in right lines and the conic sections, with special attention to simultaneous equations.

PHYSICS — PROFESSOR G. F. HULL

The course consisted of laboratory work and experimental lectures, including about forty experiments in mechanics, sound, light, heat, electricity, and magnetism.

The object of the course was to give the students a review of general Physics, and also to illustrate good methods of presenting the subject, both in the laboratory and class-room.

#### CHEMISTRY — DR. C. H. RICHARDSON

The courses included the ordinary requirements for admission to college, and a course in Qualitative Analysis. The exercises consisted of lectures, recitations, laboratory work, and examinations. Special attention was given to modern methods of teaching Chemistry.

During the session a series of lectures was given on Monday, Wednesday, and Friday evenings.

#### LIST OF SPEAKERS AND SUBJECTS

President W. J. Tucker, "The Next Advance in Popular Education."

Professor F. A. Sherman, "Drawing in the Public Schools."

Professor C. F. Richardson, "How to Read a Poem."

Professor T. W. D. Worthen, "Mathematics in Every Day Life."

Professor C. D. Adams, "Homer's Greece, Illustrated."

Professor D. C. Wells, "The Chinese Question."

Professor H. D. Foster, "History in the Secondary Schools."

Professor F. P. Emery, "The Early English Drama."

Dr. J. M. Gile, "School Hygiene and the Nervous System."

Professor H. E. Burton, "European Travel for School Teachers."

Professor G. F. Hull, "Color Photography, Illustrated."

Professor H. H. Horne, "Readings from the Negro Laureate, Dunbar."

The libraries, reading and reference rooms, museum, and gymnasium were open to students of the Summer School.

A single tuition fee of \$15 was charged for the session, and there was a small additional fee for laboratory courses.

The second session will open July 5, 1901, and will continue four weeks; an additional week may be arranged for in some subjects if it is desired. A circular containing an outline of the courses to be given will be issued early in the new year.

For further information, address Professor T. W. D. Worthen, Director.

**THE AMOS TUCK SCHOOL OF ADMIN-  
ISTRATION AND FINANCE**



## THE AMOS TUCK SCHOOL OF ADMINIS- TRATION AND FINANCE

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### FACULTY

WILLIAM JEWETT TUCKER, D.D., LL.D., *President.*

JAMES FAIRBANKS COLBY, A.M., LL.B., *Parker Professor  
of Law and Political Science.*

(Constitutional and International Law.)

JUSTIN HARVEY SMITH, A.M., *Professor of Modern History.*  
(Modern History and Diplomacy.)

DAVID COLLIN WELLS, A.B., *Professor of Sociology.*  
(Demography and Social Institutions.)

WARREN AUSTIN ADAMS, Ph.D., *Assistant Professor of  
German.*

(German Composition and Conversation.)

FRED PARKER EMERY, A.M., *Willard Professor of Rhetoric  
and Oratory.*

(English Composition and Argumentation.)

LOUIS HENRY DOW, A.M., *Assistant Professor of French.*

(French Composition and Conversation.)

GEORGE RAY WICKER, Ph.D., *Instructor in Economics.*  
(Finance and Statistics.)

FRANK HAIGH DIXON, Ph.D., *SECRETARY and Assistant  
Professor of Economics.*

(Transportation and Business Organization.)

JOHN ELIOT ALLEN, A.B., LL.B., *Instructor in Law.*  
(Commercial and Corporation Law.)

CRAVEN LAYCOCK, A.B., *Assistant Professor of Oratory.*  
(Public Speaking and Discussion.)

PRESCOTT ORDE SKINNER, A.M., *Instructor in French and Spanish.*

(Spanish.)

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#### NON-RESIDENT LECTURERS FOR THE YEAR 1900-1901.

JOHN ORDRONAU, M.D., LL.D., New York, N. Y.

Lecturer on Investments.

THOMAS LYMAN GREENE, Manager of The Audit Company of New York, N. Y.

Lecturer on the Principles of Railroad and Industrial Accounting as applied to Financial and Operating Administration.

ROBERT ARCHY WOODS, A.B., Head of the South End House, Boston, Mass.

Lecturer on Municipal Administration.

JOSEPH AREND DEBOER, A.M., Actuary of the National Life Insurance Company, Montpelier, Vt.

Lecturer on the Theory and Practice of Life Insurance.

MARSHALL PUTNAM THOMPSON, A.B., Boston, Mass.

Lecturer on the Legal Conditions of International Trade.

JAMES SHIRLEY EATON, A.M., Statistician of the Lehigh Valley Railroad Company, New York, N. Y.

Lecturer on the Theory and Practice of Railroad Statistics.

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Under the terms of the Amos Tuck Endowment Fund, the gift by Mr. Edward Tuck of the Class of 1862, of the sum of three hundred thousand dollars as a memorial to his father, the Honorable Amos Tuck of the Class of 1835, and a Trustee of the College from 1857 to 1866, especial provision was made for the "establishment of additional professorships within the College proper or in graduate departments." In accordance with this provision of the endowment fund for additional instruction in undergraduate and graduate courses, and with the direct approval of the donor, the Trustees of Dartmouth



College have created the Amos Tuck School of Administration and Finance.

The courses of this school are designed to prepare men for those more modern forms of business which have become so exacting as to require the same quality of academic training as the older professions.

It is the aim to give :

*First*, A body of knowledge and principles applicable to any form of business organization and management, — the training which is needed by the business man as such.

*Second*, A more special preparation for banking, insurance, and railroad service, as well as for domestic and foreign commerce, the diplomatic service and public administration.

*Third*, Such further teaching and training as will prepare men for journalism or for participation in civic affairs.

The courses appropriate to the three interests indicated are identical for the first year. In the second year, the principle of election is admitted to some extent.

*Among the more general subjects treated in the school are :*

Political, Anthropological, and Economic Geography.

Modern and Recent European and American History, as well as the History of the more important outlying States.

Social Statistics and Demography.

The Psychology of Social Life.

American Constitutional and International Law.

Economic Development of the United States since the Civil War.

Modern Languages, embracing English, French, German, and Spanish.

English Composition and Speaking.

*The more special subjects include :*

Corporation Finance.

Money Markets and Speculation.

Industrial Resources and Industrial Organization.

Accounting and Auditing.

Insurance.

Investments.

Practical Banking.

Transportation, including Railroad Service, Water Transportation, and Foreign Commerce.

Theory and Technique of Statistics, including Commercial Statistics.

Commercial and Corporation Law.

Public Finance.

Public and Municipal Administration.

These courses will be arranged to suit the needs of the individual student. After the first year of required work, and in connection with the general courses of the second year already mentioned, such of the special courses outlined above will be assigned to each student as will best prepare him for his chosen work. Assignment of the special courses to the training for definite careers is made below, subject to such modification later as the best interests of the student may require.

#### GENERAL MERCANTILE AND COMMERCIAL BUSINESS

Courses 1, 2, 3, and 4 in Business Organization and Management.

Course 2 in Finance.

Course 1 in Accounting.

Course 3 (c) in Transportation.

Courses 5 and 6 in Law and Political Science.

#### BANKING

Courses 1, 2, and 3 in Finance.

Courses 1, 2, and 4 in Business Organization and Management.

Course 1 in Accounting.

Course 3 (b) in Transportation.

Courses 5 and 6 in Law and Political Science.

#### RAILROAD SERVICE

Courses 1 and 4 in Business Organization and Management.

Courses 1 and 2 in Accounting.

Courses 1, 2, and 3 in Transportation.

Courses 1 and 2 in Law and Political Science.

#### FOREIGN TRADE

Courses 2 and 3 in Business Organization and Management.

Courses 3 and 4 in Transportation.

Courses 1 and 2 in Statistics.  
Course 4 in Modern History.  
Course 7 in Law and Political Science.

**INSURANCE**

Course 1 in Insurance.  
Courses 1 and 4 in Business Organization and Management.  
Course 2 in Finance.  
Course 1 in Accounting.  
Courses 1 and 2 in Statistics.

**ADMINISTRATION**

Course 1 in Administration.  
Course 3 in Business Organization and Management.  
Courses 1 (b) and 3 in Finance.  
Course 1 (a) in Transportation.  
Course 4 in Modern History.  
Course 8 in Law and Political Science.

**JOURNALISM**

Course 4 in Modern History.  
Courses 1, 2, and 3 in Business Organization and Management.  
Courses 2 and 3 in Finance.  
Course 3 (c) in Transportation.  
Courses 7 and 8 in Law and Political Science.  
Course 1 in Administration.  
Courses 1 and 2 in Statistics.

**TRAINING FOR CIVIC AFFAIRS**

Courses 3 and 4 in Modern History.  
Courses 2 and 3 in Business Organization and Management.  
Course 3 (a) in Transportation.  
Courses 7 and 8 in Law and Political Science.  
Course 1 in Administration.  
Courses 1 and 2 in Statistics.

## CONDITIONS OF ADMISSION

All candidates will be required to present a bachelor's degree, except those who enter under the following conditions :

Students who are able to present courses taken as advanced electives in an undergraduate curriculum, which are substantially the same as those offered in the first year, will be given standing in the second year.

Students of approved ability, of three years' undergraduate standing, may elect the first year courses of the Tuck School for their work of Senior year. At the close of the year, they may formally graduate from the College with the bachelor's degree for which they entered. After a year of graduate work in the Tuck School, they become eligible for certification in that school. Students who enter under this provision are expected to have taken the usual College work in mathematics, science, and the ancient or modern languages, and in addition, such other courses as are equivalent to the following work in Dartmouth College : the prescribed work in History, Economics, and Political Science, and one elective in the departments of History, Economics, and Sociology, together with two years of prescribed and elective work in English Composition and Argumentation, and the elementary courses in two of the three languages, German, French, and Spanish.

Students from other colleges entering the Senior year of Dartmouth College, to avail themselves of this privilege, must present with their certificate of transfer a record of their standing.

## SPECIAL STUDENTS

Applicants who may show fitness to pursue particular courses may be received as special students and will be given certification for work actually accomplished, but will not be given the full certification of the School.

## COURSES OF INSTRUCTION

(Students are required to elect eighteen hours each Semester.)<sup>1</sup>

### FIRST YEAR

#### MODERN HISTORY

This work must be preceded by Courses 1 and 2 (Mediaeval and Modern History, 378-1763), and one elective course, either Course 3 (English History to the Sixteenth Century) or Course 5 (Colonial History to 1783) in Dartmouth College, or their equivalents.

1. European Political History, 1789-1878. This course will open with a review of the geography of Europe and lectures on the various nationalities, the state of the leading countries on the eve of the French Revolution, and the early stages of that movement. It will continue with text-book work, supplemented with lectures on the part of the instructor, and varied exercises on the part of the students.

2. United States Political History, 1783-1877. This course will be conducted in substantially the same way as the work of the previous course.

#### ECONOMICS

This work must be preceded by Course 1 (Elementary Economics) and Course 2 (English Economic History) in Dartmouth College, or their equivalents.

3. American Industrial Development. Especial attention will be given to the period since the Civil War, and a careful study will be made of modern industrial organization, including the development of the great manufacturing industries, the growth of corporations, trusts, and monopolies; the history and problem of transportation; stock and produce exchanges; relations of capital and labor; and the effect of modern methods of business on producer and consumer.

4. History and Theory of Money. Especial attention will be devoted to the financial legislation of the United States. The practical

<sup>1</sup> Details concerning semesters, hours, and methods for the first year work can be found under the courses of each department in the Dartmouth College Catalogue.

problems before the country will be briefly considered. Modern currency standards in operation in foreign countries.

6. *Advanced Theory.* A study of the development of economic theory. Assigned readings in the works of the Classical School, especially Smith, Ricardo, and Mill, and in the writings of the representatives of modern development, Marshall, Boehm-Bawerk, Patten, Clark, and others.

### POLITICAL SCIENCE

This work must be preceded by Course 2 (The State, Elements of Politics) in Dartmouth College, or its equivalent.

3. *American Constitutional Law.* This course is designed to give students a knowledge of the general principles of the constitutional law of the United States, both federal and statal. Particular attention is given to the origin and development of American political institutions, to the formation of state governments, and to the immediate causes of the adoption of the Federal Constitution, and to its text.

### SOCIOLOGY

This work must be preceded by Course 2 (Anthropology and Ethnology) in Dartmouth College, or its equivalent.

3. *Anthropological Geography.* This considers man in relation to his physical environment, as determining his dispersal over the face of the earth, his mode of life, and the density of population. It traces the bearings of the natural surroundings upon man's physical and mental characteristics, and follows this fundamental and necessary adjustment through the history of the family and the state and in the evolution of the forms of economic life.

4. *Social Statistics and Applied Sociology.* This course has for its foundation an inquiry into the chief results of Vital Statistics, such as birth and death rates, the mortality from different diseases, and under varying social and climatic conditions. These data are then brought into connection with Crime, Pauperism, and Social Reform. It is the biological side of social life.

### LANGUAGE

Students will be expected to pursue throughout the year advanced study in two of three modern languages, German, French, and

Spanish, and will enter upon the grade of work which their previous preparation permits. These courses are designed to give training in composition and conversation.

Students whose equipment in one or more of these languages is considered adequate may substitute electives chosen from the Senior courses in Dartmouth College.

### **ENGLISH COMPOSITION AND SPEAKING**

This course will consist in part of training in business forms and commercial correspondence, in part in the discussion of current questions with a view to the acquisition of facility and skill in argument and public speaking.

## **SECOND YEAR**

### **MODERN HISTORY AND DIPLOMACY**

3. **Modern History.** This course will consist of lectures on the political history of Canada, Mexico, and the South American States, Asia and Africa, with special emphasis on recent developments and particular reference to the phases of their history which might bear on their relations with this country. Under the direction of the instructor the students will do constructive work in the political history of Europe since 1878, each student covering a given period and profiting from the results of the work of other students.

4. **Diplomacy.** The subject of this course will be the business of international negotiation, and while necessarily parallel to international law, it will deal with that subject only as it must, and in an incidental way. Lectures will be given on the origin and evolution of modern diplomacy; the qualifications and methods of typical modern diplomats; the course of certain specially noteworthy negotiations from the Congress of Vienna to the Venezuela Case, including the evolution and history of the Monroe Doctrine; the organization of American and foreign diplomatic and consular services; principles of diplomatic procedure; and the duties laid down by the United States Government for its agents in foreign countries. Constructive work in the history of Europe since 1878 will be done by the students.

## BUSINESS ORGANIZATION AND MANAGEMENT

1. Corporation Finance. Forms of investment securities, methods of corporation "financiering," consolidation, bankruptcy, receivership, reorganization, general principles of investment. See also Course 1(e) under Transportation.

2. Money Markets and Speculation. Movements of money and rates of domestic exchange. New York as a financial centre and the influences affecting interest rates. Note and bill brokers. Foreign exchange movements, including a study of the English money market. Panics, signs of their approach and the methods of meeting them. Detailed study of stock and produce exchanges, including a comparison of the exchanges of England and the continental countries.

3. Industrial Resources and Industrial Organization. Detailed study of the important raw products of the United States from the standpoint of costs, markets, and transportation facilities. Consideration of the more important manufacturing industries of the country, especially iron and steel. A study of the methods of business organization devised for the conduct of these industries. See also Course 1(a) under Transportation and Course 1(b) under Finance for typical instances of the organization of great undertakings.

4. Accounting and Auditing. General principles of accounting. Nature of the balance sheet and determination of what constitutes a profit. Accounting methods of corporations. General principles of auditing. Theory of depreciation or the writing off of diminishing value. Going concerns *vs.* those that have ceased operations. Economic value of location. See also Course 1 under Accounting.

5. Investments. A series of lectures by an experienced financier on the practical handling of investments.

## FINANCE

1. Banking. (a) *Law*. Detailed study of the bank laws of the United States, and of typical states, and of generally accepted banking practice. (b) *Organization*. The organization of a bank for business, with the duties and liabilities of its officers and employees. Comparative study of national, state, private, and savings banks, and loan and trust companies. Clearing houses, their functions and adminis-



tration. (c) *Operation*. Practical methods of operation. Forms of credit transactions, note issues, domestic exchange. Comparative study of English and continental banks.

2. Public Finance. Methods of public administration. Public expenditure and revenue. Relation of the Treasury Department to the money market in the issuance of bonds and the placing of deposits. National, state, and municipal debt and taxation. Typical states and municipalities will be carefully studied.

### TRANSPORTATION

1. Railroad Service. (a) *Organization*. The organization of a railroad for business, with a discussion of the duties of officers and employees. (b) *Operation*. Practical methods of operation, including a careful study of the regulations governing all forms of railroad service. A study of the traffic department, including systems of car accounting. Theories of rates and methods of forming classifications and rate schedules. Fast freight lines, joint rates, and various forms of railroad associations. (c) *Accounting and Auditing*. See Courses 1 and 2 under Accounting and Course 4 under Business Organization and Management. (d) *Mechanics*. Study of the elements of railroad construction and maintenance and their costs. Details of locomotives and cars, their use, construction, and repair. Modern mechanical and safety devices, including brakes, couplers, signalling systems, and the like. Purchasing Department, with consideration of properties of materials and railroad supplies. This section of the work will be conducted in part under Course G (2d part) in the Thayer School of Civil Engineering, under the title "Economics of Location, Construction, and Maintenance of Railways." See also Course 3 under Business Organization and Management for railroad materials produced by iron and steel industries. (e) *Management*. Competition, discrimination, pooling, combination, consolidation, state ownership or control. See also Course 1 under Business Organization and Management.

2. Water Transportation. (Inland.) (a) *Lakes and Rivers*. The service as a competitor of railroads. The development of lake traffic, with a study of modern facilities. The deep waterways projects. Decline of river commerce. (b) *Canals*. Their economic value and the extent of their use. The Isthmian Canal projects will be considered in Course K in the Thayer School of Civil Engineering.

3. Foreign Trade. (a) *Economic Geography*. A survey of the present economic condition of the different parts of the world, their products, resources, and routes of trade, and the influence of physical and social causes in determining that condition. Economic phases of colonial development. (b) *Foreign Exchange*. Theory of foreign exchange and the causes that determine rates. Methods of international payment, movements of capital, monetary standards of foreign countries as they influence international settlements. (c) *Foreign Commerce of the United States*. Development of ocean shipping. Export and import trade of the United States and its competitive relation to other countries. Tariff conditions of the various countries and other forms of commercial interference. Commercial conventions and treaties. See also Course 3 under Business Organization and Management and Course 2 under Statistics.

4. Legal Conditions of International Trade. A series of lectures which aim to present the practical legal aspects of international dealing.

### ACCOUNTING

1. Principles of Accounting. A series of lectures on the principles of railroad and industrial accounting as applied to financial and operating administration. Methods of corporation book-keeping and forms of financial organization and management briefly considered.

2. Theory and Practice of Railroad Statistics. (a) Revenue and Expenses, why railroads are operated, how organized and administered, and the relation of accounting, auditing, and statistics to operation. General plan and technique of railroad accounting. (b) Revenue accounting, freight and ticket. How the money is collected and covered into the treasury, the safeguards provided. (c) Disbursement accounting, stages and methods of authorization, checks provided, significance of the different certifications, possibilities of fraud. (d) Stores and car accounting, various systems, watching balances, use of the car record in car distribution, car mileage, clearing houses, the home record, the foreign record, the interchange record. (e) Statistics of operation, revenue disbursement, motive power, transportation, and maintenance of way. Use of statistics in handling a property. (f) General books, ledger, side ledgers, journal, journal entries, accounts current, general balance sheet, organization and methods of the accounting office, the division and general office, the shops, the storehouse, the station agency.

### INSURANCE

**Insurance.** A series of lectures designed to illustrate the practical workings of insurance as conducted to-day in all its important forms, with special reference to the United States. After a brief discussion of the economic conception of insurance, its history, development, problems, and social service, attention will be given to fire and casualty insurance, to employer's liability and corporate suretyship, but special study will be devoted to its most highly developed form in life insurance. This will involve consideration of fundamental assumptions, rate making, policy construction, varied benefits, field management, advertisements, compensation, solicitation, medical selection, practical accounting, investments, office-work, corporate management, state supervision, insurance law, insurance by the state. A critical estimate will be presented of the leading theories and different practices related to these questions, the object being to give a just estimate of the business, and a comprehensive knowledge of its present day workings.

### STATISTICS

1. **History, Theory and Technique of Statistics.** A course in statistical methods and results, with practical work in investigation and tabulation. An attempt to determine the laws that govern group actions of men. Sources and reliability of statistical data. The methods of distinguishing true and false inferences.

2. **Studies in American Statistics.** Critical study of the contributions of statistics to our knowledge of production, banking, coinage, prices, wages, and particularly domestic and foreign commerce.

### LAW AND POLITICAL SCIENCE

5. **Commercial Law.** An outline of the law of real property, including deeds, mortgages, and wills; of the law of contracts (Anson on Contracts); of negotiable instruments (Bigelow on Bills, Notes, and Cheques); of personal property, including sales and bailments; of agency, carriers, insurance, and trustees.

6. **Industrial and Commercial Corporations.** A course of lectures treating of legal persons, natural and artificial; causes of the increase

of artificial persons (corporations) since 1763, and the consequent development of corporation law ; distinction between partnerships and corporations ; modes of forming corporations ; inviolability of charters ; powers of corporations, and their officers and agents ; fiduciary relations of their officers and agents ; rights of stockholders ; relation of stockholders to each other ; issue of stock and rights of creditors ; industrial trusts.

7. International Law. This course is historical and explanatory of present international relations. It treats of the origin and development of the rules that generally govern the intercourse of modern civilized states, and specified topics of present interest, such as the effects of annexation upon international obligations, recent cases of intervention, The Hague Conference, contraband of war, and continuous voyages.

8. Politics and Administration. A study of American political parties since 1873 ; their organization and increasingly centralized control ; their policies, and methods chosen for executing them ; existing electoral machinery, its practical working and defects ; some proposed remedies.

### ADMINISTRATION

1. Municipal Administration. A series of lectures in which the development of municipal policy will be traced with regard both to the forms and the aims of municipal government. The town meeting, the town council, the city system, and metropolitan administration will be considered in their constitutional bearings and in their practical operation. A comparison of typical city charters, American and foreign, will be made. The proper sphere of the municipality will be considered ; first, in its traditional function as protector of person and property ; secondly, in the extension of its functions to include the control of public utilities, the education of the electorate, and the care of the dependent classes. The lecturer will discuss the causes of municipal corruption, especially as found in economic conditions, and will trace the relation between municipal reform and social reform in general.

2. Public Administration. See Course 4 under Modern History and Diplomacy, Course 2 under Finance, and Course 8 under Law and Political Science.

## DEMOGRAPHY AND SOCIAL INSTITUTIONS

5. Demography. This is a study of Population or the units of all forms of social life. It involves a consideration of the economic value of various nations and peoples as producers and consumers of commodities. This is followed by an investigation of the social groups or classes into which population tends to fall, both those involved in the social division of labor and those which have a more natural basis.

6. The Psychology of Men in Association. Social phenomena are here viewed from the subjective side and interpreted as modifications of the individual mind due to contact. Human institutions are treated as an expression of the spiritual life of men. Public opinion is analysed and an attempt is made to interpret sympathetically trade unionism, mass and class feeling, and all important group aspirations and rivalries. Social problems raised by racial contact are taken up, and the adaptation of political and social life to the peculiar psychic condition of each people. This is the study of the social environment, as expressing the mind of the individual and in turn modifying it.

## LANGUAGE

The work in language will be a continuation of that of the first year. Students will be expected to pursue throughout the year the study of one of the three modern languages, German, French, and Spanish.

Language clubs will be formed under the direction of the instructors for practice in conversation. As in the work of the first year, an elective may be substituted when a student's language training is deemed adequate.

## THESIS

A thesis may be required embodying original research and representing work in the field of study which the student has been especially pursuing. The thesis is to be prepared during the last Semester, and will be considered equivalent to a course of fifty-four exercises.

## EXPENSES

The tuition is the same as in the College, one hundred and ten dollars per year, payable one half at the beginning of the first Semester, the other half on March 10 succeeding. The scholarships provided for under-graduates are not available for students of the Tuck School except in so far as such students may be pursuing the work of the first year of the school as Seniors in Dartmouth College.

The expenses of a student will vary from \$275 to \$550 per year, the most important variable elements being room-rent and board. The College dormitories are open to students of the School.

## FACILITIES

The headquarters of the school will be the Hubbard House, which will contain reading-rooms provided with all periodical literature pertinent to the work, and with seminary rooms containing the necessary books, documents, and reports for the furtherance of investigation. The general library in Wilson Hall will be available, and its equipment along the lines of work in the School will be made more complete and exhaustive as the demand for these facilities increases.

## CERTIFICATION

Examinations will be held regularly at the close of each Semester, and additional examinations will be given from time to time at the pleasure of the department concerned. The certification of the School will be given only to those students who have satisfied the Faculty as to their fitness, either by a final examination or by the defence of a thesis. For further information address

FRANK H. DIXON, *Secretary*,  
HANOVER, N. H.

THAYER SCHOOL OF CIVIL  
ENGINEERING





## THAYER SCHOOL OF CIVIL ENGINEERING

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### FACULTY

WILLIAM JEWETT TUCKER, D.D., LL.D., *President.*

ROBERT FLETCHER, PH.D., *Director and Professor of Civil Engineering.*

JOHN V. HAZEN, C.E., *Associate Professor of Civil Engineering.*

JOHN L. MANN, C.E., *Assistant Professor of Civil Engineering and Surveying.*

CHARLES A. HOLDEN, B.S., *Instructor in Surveying and Assistant in Laboratory.*

GEORGE T. MOORE, PH.D., *Lecturer on Micro-Organisms in Relation to Purity of Water Supplies.*

The THAYER SCHOOL OF CIVIL ENGINEERING was established more than a quarter of a century ago, to provide a distinctively post-graduate or professional course of study in Civil Engineering. In pursuance of this aim the founder, the late GENERAL SYLVANUS THAYER, Corps of Engineers, U. S. Army, a graduate of Dartmouth College in 1807, and distinguished as the organizer and "father" of the U. S. Military Academy, caused to be prepared a detailed "Programme" of the requisites for admission, covering the entire range of mathematics, chemistry, physics, and other studies, which were regarded as preparatory. No specific requirements in language, literature, history, and other subjects which give a broader mental training, were made, because at that time few could get the preparation demanded without attending College at least three years, and often during the usual period of four years. Hence, during the first twenty years of the Thayer School, 72 per cent of all who were admitted had already received the degree of B.S. or A.B., and of the remainder, 7 per cent had attended College three years, either as "classical" or "scientific" students.

It has been the consistent policy of the administration from the first to offer a general course of study in civil engineering, so developed as to include the essential principles and operations of all the important branches or divisions. There are no laboratories or

special machinery for instruction in "mechanical engineering"; but the facilities available in the new Wilder laboratories of Dartmouth College, make it possible for the Thayer School to offer a short course on the fundamentals of applied electricity.

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## REQUIREMENTS FOR ADMISSION

1. English Grammar; 2. Geography; 3. History of the United States; 4. Arithmetic; 5. Book-keeping: only the simpler principles and methods of single and double entry; 6. Algebra, *Taylor* or *Bourdon*; 7. Geometry, *Legendre*; 8. Trigonometry and Mensuration; 9. Compass Surveying, *Murray*; 10. Descriptive Geometry, including Shades, Shadows, Perspective, *Church*; and Isometrical Drawing, *Warren*; 11. Analytic Geometry, *Bowser* or *Hardy*; 12. Calculus, *Hardy*; 13. Analytic Mechanics, *Wood's* Elementary; 14. Chemistry: as nearly as possible a course equivalent to Chemistry 1, 2, or 4 of Dartmouth College courses; 15. Physics: as nearly as possible the equivalent of Physics 1, 2, 3, and 5, of the College courses (3 is laboratory practice); 16. Astronomy, *Young's* Elements; 17. Physical Geography and Meteorology.

The text-books indicated above are recommended, but others fully equivalent may be used.

Candidates for admission should be present for examination two days, at least, before August 1, or, by appointment, in May or June. Notice of intention to apply should be given by May 1, or earlier if possible. None will be received for advanced standing. Certificates from preparatory institutions, as to scholarship and character, will have due weight, but in all cases the candidate is orally examined, more especially with reference to the essential principles of the branches numbered 6, 7, 8, 10, 11, 12, 13, 14, and 15. Prompt and accurate statement of principles and definitions is insisted upon, and a limited amount of blackboard work required. A neat set of mechanical drawings — constructions of important geometrical problems and a few leading problems of Descriptive Geometry — must be presented. Hence a fair degree of skill in mechanical drawing is one of the essential conditions.

Students of approved ability and proficiency in the Chandler Scientific Course of the College may elect the first year courses in the Thayer School for their work of Senior year. At the close of the year, they may formally graduate from the College with the degree of B.S. They may then become eligible for the degree of Civil Engineer, after pursuing the regular engineering courses of the second year group. For such students, the engineering course is technically "post-graduate" only for the second or last year.

The conditions for such election are: a "standing" of at least 75 per cent, in the aggregate, in the subjects above specified, and not less than 85 per cent in three or more, nor less than 60 per cent in any one; a special examination, as stated above; an intention to pursue, eventually, the entire engineering course, either in the next consecutive year, or as soon thereafter as the circumstances may permit.

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## COURSE OF STUDY AND PRACTICE

### FIRST YEAR

Thirty-seven weeks, excluding all intermissions, each week comprising eleven half-days, of four and a half hours, devoted to study, field-work, or office-work. In emergencies the half-day is extended to five or five and a half hours.

A. — THEORY AND PRACTICE OF SURVEYING. [This is preceded by a preliminary course of 104 hours during Junior year in College.]

I. Theory, complete adjustments, and testing of the essential instruments. Principles and preliminary practice of levelling, and location and measurement of lines and angles.

II. Principles and sufficient practice of all usual surveys and locations of lines and areas, topography, and the routine of an ordinary railroad survey. The necessary calculations and other office-work of plotting, tracing, and blue-printing. Computation of earth-work by two or more methods, and use of the planimeter. A completed railroad map and profiles, in detail, and finished plots of other principal surveys.

III. Special methods and practice ; plane table work ; use of photography in surveying ; laying out transition curves ; location of the meridian and the finding of the latitude, azimuth, and time (by sextant and engineer's transit) ; city-surveying ; theory of geodesy and underground surveying. Adjustment and comparison of observations.

August 1 to December 1, 186 half-days.

B. — ANALYTIC MECHANICS AND GENERAL APPLICATIONS. Kinematics. Dynamics ; statics and kinetics. Principles and working conditions, including latest experimental results on friction, etc. Elements of mechanism. Practical applications. 60 half-days.

C. — MATERIALS OF ENGINEERING. 1. Physical and chemical properties and production of limes, cements, mortars, natural and artificial stone, timber, iron, steel, zinc, copper, aluminum, etc. ; durability, preservative materials ; a brief course in Mineralogy. 2. Mechanical properties, analytically and experimentally treated. 3. Laboratory tests of cements, iron, steel, wood, and other materials. 72 half-days.

A testing machine of 27,000 pounds capacity for tension, compression, and bending stress, affords sufficient practical illustration of the mechanics of materials. Each student uses the machine in making prescribed series of tests.

Several series of cement tests are carried out each year by groups of two or three, and written reports of these are made to the Director in proper form.

D. — ORDINARY AND SPECIAL STRUCTURAL WORK AND OPERATIVE DETAILS. Course begun : — Elementary courses on stone-cutting, masonry and foundations, arches, and other masonry structures. 33 half-days.

E. — FRAMED STRUCTURES : — TRUSSES FOR ROOFS AND BRIDGES, BUILDING SKELETONS, ETC. Course begun : — Graphical statics and other analysis applied to girders and simple trusses. Ordinary and essential details. One or two simple designs. 36 half-days.

G. — ROADS, RAILROADS, AND TRANSPORTATION IN GENERAL. Course begun : — Roads, streets, and pavements, — construction and maintenance. 16 to 18 half-days, beside the preparation of an essay.

## SECOND YEAR

Thirty-three weeks, of eleven half-days each, from about Sept. 1 to May 1.

D. — (*concluded*). Carpentry and framing; metal work; advanced reading on masonry and foundations; theory of retaining walls; dams; chimneys; high-framed buildings; fire-proof and slow-burning construction; renewals and enlargements... Engineering contracts and specifications. Auxiliary work and machinery. Inspection. 55 half-days.

E. — (*concluded*). Analysis of stresses in trusses, framed arches, stone arches, and suspension bridges; details and maintenance. Frames of tall buildings. Tours for inspection. One design worked out. 66 half-days.

F. — ROCKWORK, TUNNELLING AND MINING. Outlines of geology, — vacation reading. Explosives and blasting; special appliances and methods in subterraneous works. Reading and lectures. 16 half-days.

Copper mines and furnaces in neighboring towns in Vermont, formerly very extensively worked, and now being actively exploited, afford the best of object lessons in mining and metallurgy.

G. — (*concluded*). Economics of location, construction, and maintenance of railways. A brief study of street railways (electric and cable-traction, etc.), mountain railways, telpherage, and marine transportation. 44 half-days.

H. — HYDRAULIC ENGINEERING. Statics and dynamics of fluids; principles and data of hydraulics; collection, storage, purification, and distribution of water for town supply, power, and irrigation. Hydraulic motors: theory, construction, and operation; development of water-power. Gauging of Connecticut River. Measurements of flow by weirs and nozzles, of efficiency of motors, friction in pipes, etc. 66 half-days.

The Hanover Waterworks, constructed at a cost of \$65,000, affords all needed conditions for hydraulic experiments under a head of 190 feet, in a laboratory equipped for all such operations of recognized importance. It is also an example of successful construction and

operation, including a reservoir of 130,000,000 gallons capacity, a dam 700 feet long, gate-house, and main and distribution system of about 8 miles of pipe, all of which is available for inspection and for study of rainfall and its actual collection, water-ram in pipes, efficiency of fire-streams, etc.

I. — HEAT, HEAT ENGINES, AND POWER. Principles of Thermodynamics; fuels, and their combustion; steam. Heat engines: construction and operation of typical forms; application of laws. Development and transmission of power. 44 half-days.

The establishment by the College of one of the most efficient central steam-heating systems in the United States affords now the best of opportunities for studying efficiency of boilers and furnaces, at times when regular tests are made. The paper mills of the Wilder Company near by, on the Connecticut River, as well as several smaller mills at Lebanon, on the Mascoma River, give abundant facilities for studying the construction and operation of water-power plants on a large scale.

J. — SANITARY ENGINEERING. Drainage and sewerage; systems and appliances; governing principles. Heating and ventilation. Special study of "Separate Systems" and methods of sewage disposal, including bacterial methods. Sand filtration of water and sewage.

By a special arrangement with George T. Moore, Ph.D., as in the previous year, a course of ten lectures on the influence of micro-organisms on the purity of water supplies will be given in the second semester, with accompanying demonstrations and illustrations by the microscope. 30 half-days.

K. — CANALS, IMPROVEMENT OF RIVERS AND HARBORS. Principles; surveys and observations; construction in different cases, — means and methods of procedure. (Briefly by reading and lectures.) 8 half-days.

L. — PRINCIPLES OF APPLIED ELECTRICITY. An elementary study of the problems of Electric traction, lighting, transmission of power, etc. A brief course during the second Semester.

THE BUSINESS RELATION OF THE ENGINEER. By an arrangement with the Amos Tuck School of Administration and Finance, the

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members of the Thayer School will have the privilege of attending lectures; 1st, in Economics as exemplified in American Industrial Development, with especial reference to the development of manufacturing industries, the growth of corporations, and the relations of capital and labor; 2d, in Transportation, course numbered 1 in the programme of the Tuck School; 3d, in Commercial Law, with some particular attention to contracts and specifications as affecting the executive work of a Civil Engineer.

**METHODS OF INSTRUCTION. PRACTICE.** During the first year, instruction is given chiefly by daily recitations from text-books and ample practice in field and laboratory. During the second year the character and range of subjects call for wider reading of treatises and current technical literature, which is promoted by full programmes of the courses, giving all of the important references to date. This is supplemented by recitations, lectures, and examinations.

The amount of field-work and other practice is made sufficient only to elucidate and emphasize the more important principles. In this connection carefully planned tours, for the study and inspection of works in progress or completed, are made when advantageous for purposes of instruction. Suitable professional employment during the summer vacation has heretofore been usually secured for Thayer students. Either a written or verbal report in relation to his summer work, or to some engineering structure or operation which he has specially examined, is expected from each student at the close of vacation.

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## TERMS, EXAMINATIONS, AND EXPENSES

The course of study and practice continues through two years, commencing, for the entering class, August 1, and continuing until near the first of May. This allows seventeen weeks of vacation for summer employment, when procurable. There may be a short recess at the Christmas holidays. Examinations are held from time to time, as the work progresses. The annual examination is held during the latter part of April, before the Board of Overseers.

Tuition is one hundred and ten dollars per annum, one-half to be paid each term in advance. There is no provision for pecuniary aid.

The annual expenses of an economical student will vary between \$350 and \$400, including tuition, books, and stationery, board, fuel, light, and drawing instruments.

After a satisfactory final examination before the Board of Overseers, including an acceptable thesis,<sup>1</sup> the degree of Civil Engineer will be conferred.

The THAYER SCHOOL ANNUAL, published in August, 1900, contains further information relating to the work of the institution, its graduates, etc. This will be sent, and inquiries answered, on application to the President or

Professor ROBERT FLETCHER, *Director*.

<sup>1</sup> A thesis by two members of the class of 1893, on "Testing Cement by Transverse Breaking," took the first prize of \$75 in a competition instituted by the editors of *Engineering News*, and open to all the Engineering Schools in the United States and Canada. A thesis on "Effect of Freezing on Cement Mortars" divided the second prize in 1894. Another thesis received Honorable Mention in 1895. A thesis on "The Flow of Water over Dams," by the members of the Class of 1900, was published by *Engineering News* in September, 1900.



# **MEDICAL SCHOOL**



## MEDICAL SCHOOL

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### FACULTY

- WILLIAM JEWETT TUCKER, D.D., LL.D., PRESIDENT.  
WILLIAM T. SMITH, M.D., LL.D., DEAN *and Professor of*  
*Physiology.* Hanover.  
HENRY M. FIELD, M.D., *Professor Emeritus of Therapeutics.*  
Pasadena, Cal.  
PHINEAS S. CONNER, M.D., LL.D., *Professor of Surgery.*  
215 W. 9th Street, Cincinnati.  
PAUL F. MUNDÉ, M.D., LL.D., *Professor of Gynecology.*  
20 W. 45th Street, New York City.  
WILLIAM H. PARISH, M.D., *Professor of Obstetrics.*  
1435 Spruce Street, Philadelphia.  
EDWIN J. BARTLETT, M.D., *Professor of Chemistry.* Hanover.  
TILGHMAN M. BALLIET, M.D., *Professor of Therapeutics.*  
3709 Powelton Ave., Philadelphia.  
GILMAN D. FROST, M.D., SECRETARY *and Professor of*  
*Anatomy.* Hanover.  
JOHN M. GILE, M.D., *Professor of the Science and Practice of*  
*Medicine.* Hanover.
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- JOHN ORDRONAU, M.D., LL.D., *Professor of Medical*  
*Jurisprudence.* Roslyn, N. Y.  
GRANVILLE P. CONN, M.D., *Professor of Hygiene.*  
Concord, N. H.  
EDWARD COWLES, M.D., LL.D., *Professor of Mental Diseases.*  
Waverly, Mass.

DAVID WEBSTER, M.D., *Professor of Ophthalmology.*

327 Madison Ave., New York, N. Y.

GEORGE A. LELAND, M.D., *Professor of Laryngology.*

669 Boylston Street, Boston, Mass.

HOWARD N. KINGSFORD, M.D., *Instructor in Histology,  
Bacteriology, and Pathology.*

Hanover, N. H.

CHARLES E. HILLS, *Demonstrator of Anatomy.*

DELEGATES FROM THE NEW HAMPSHIRE MEDICAL SOCIETY

CHARLES B. DRAKE, M.D.

West Lebanon, N. H.

FRANK BLAISDELL, M.D.

Goffstown, N. H.

DELEGATES FROM THE VERMONT MEDICAL SOCIETY

FREDERICK R. STODDARD, M.D.

Shelburne, Vt.

ROBERT J. GOSS, M.D.

Hartford, Vt.

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## CALENDAR

The term began July 17, 1900, and ends the last Tuesday in February, 1901, except that the course of the first or entering class will be identical in time with the course in the Academic Department of the College. This course began September 13, 1900, and will end June 26, 1901.

The laboratories of the Academic Department afford unusual opportunities for the work in Physics, Biology, and Chemistry pursued during the first year. Hence the coincidence in time of the first year with the Academic year.

There will be a vacation of two weeks, beginning December 19, 1900, for all students in the Medical School.

**COURSE OF STUDY**

The opening lecture of the One Hundred and Fifth Annual Course will be given on Tuesday, the sixteenth day of July, 1901, at 4 P.M.

Full courses of didactic lectures in all departments of Medical Science will be given during the session of seven months' duration. For the convenience of non-resident professors, eight or nine lectures are given in each branch weekly until their part of the work in their several branches is finished. The work in each branch is then continued by the resident professors, by lectures, by recitations, by work in the laboratories, and by clinics and ward classes at the Hospital, until the end of the session, when a written examination in each branch is given.

The course covers four years, and students are required to complete the work of each year in regular order, passing an examination at the close of each year in the studies of that year.

**FIRST YEAR**

Chemistry, Physics, Biology I, Comparative Anatomy I, II, Human Anatomy.

**SECOND YEAR**

Systematic Anatomy, Physiology, Medical Chemistry, Bacteriology, Histology, Pathology.

**THIRD YEAR**

Regional Anatomy, Physiology, Pathology, Materia Medica, Obstetrics, Surgery, Medicine.

**FOURTH YEAR**

Therapeutics, Surgery, Medicine, Obstetrics, Gynecology, Mental Diseases, Medical Jurisprudence, Hygiene, Ophthalmology, Laryngology, Otology.

## SCHEDULE, 1900-1901

## FIRST YEAR

Hour.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8 A.M.	Practical Physics.	Chemistry.	Practical Physics.	Chemistry.	Practical Physics.	Chemistry.
9 A.M.	Practical Physics.	Chemistry.	Practical Physics.	Chemistry.	Practical Physics.	Chemistry.
10 A.M.		Human Anatomy.		Human Anatomy.		Human Anatomy.
11 A.M.	Theoretical Physics.		Theoretical Physics.		Theoretical Physics.	
2 P.M.	Biology, or Comparative Anatomy.	Biology, or Comparative Anatomy.		Biology, or Comparative Anatomy.	Biology, or Comparative Anatomy.	
3 P.M.	Biology, or Comparative Anatomy.	Biology, or Comparative Anatomy.		Biology, or Comparative Anatomy.	Biology, or Comparative Anatomy.	

## SECOND YEAR

Hour.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8 A.M.	Physiology.	Dissection.	Physiology.	*Histology, or Bacteriology.	Physiology.	Histology, or Bacteriology.
9 A.M.	Anatomy.	Dissection.	Anatomy.	Histology, or Bacteriology.	Anatomy.	Histology, or Bacteriology.
10 A.M.		Dissection.		Pathology.		Pathology.
11 A.M.					Chemistry.	
2 P.M.	Chemistry.	Chemistry.	Dissection.	Chemistry.	Dissection.	
3 P.M.	Chemistry.		Dissection.	Chemistry.	Dissection.	

\* The course in Histology covers about two-thirds of the year. A course in Bacteriology at the same hour covers the rest of the year.

## THIRD YEAR

Hour.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8 A.M.		Physiology.		Physiology.		Physiology.
9 A.M.	Therapeutics.	Obstetrics.	Therapeutics.	Obstetrics.	Medicine.	Gynecology.
10 A.M.	Anatomy.		Anatomy.	Pathology.	Anatomy.	Pathology.
11 A.M.	Surgery.	Medicine.	Surgery.	Medicine.	Surgery.	
2 P.M.	Pathology.	Dissection.	Dissection.	Dissection.	Pathology.	
3 P.M.	Pathology.	Dissection.	Dissection.	Dissection.	Pathology.	

## FOURTH YEAR

Hour.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8 A.M.	Medicine.	Medicine.	Medicine.	Medicine.	Medicine.	Medicine.
9 A.M.	Therapeutics.	Obstetrics.	Therapeutics.	Obstetrics.		Gynecology.
10 A.M.	Jurisprudence.	Mental Diseases.	Hygiene.	Ophthalmology.	Laryngology.	Otology.
11 A.M.	Surgery.		Surgery.		Surgery.	

Clinics at the Hospital mornings at 10 o'clock, and afternoons at 2 o'clock.

## HOSPITAL

The MARY HITCHCOCK MEMORIAL HOSPITAL has now been in use for seven years, and affords increased facilities for clinical instruction. It is a cottage hospital of thirty-six beds, and is constructed after the most approved modern style for such buildings.

A large and well-lighted amphitheatre is provided for witnessing operations, which are performed by members of the Faculty before the class, during the entire session.

An appointment of an advanced medical student as House Officer for the Hospital is made once in six months. He serves for six months as externe and then for an equal period as resident interne. His term of service begins on March 1st or September 1st.

Besides the use of the special collections and apparatus of the Medical School, the students derive incidental advantages from the other departments of the College. Medical students have access to the College library, including a medical library, on the same terms with other students.

## REQUIREMENTS FOR ADMISSION

Applicants for admission to this School must have

(a) graduated from a registered College, or

(b) satisfactorily completed a full course in a registered Academy or High School, or

(c) have had a preliminary education considered and accepted as fully equivalent, and upon bringing evidence of such preparation will be received on certificate.

All other candidates for admission, unless they can show by certificate from some approved fitting School or College that they have passed examinations in a part of the requirements, will be examined in all the following subjects :

English History (two of the four parts, *a*, *b*, *c*, or *d*), Mathematics, Latin, and one of the four Sciences of Chemistry, Physics, Zoölogy, or Botany, according to specifications given below.

## SUBJECTS WITH SPECIFICATIONS

## ENGLISH —

Two sets of books are prescribed for preparation in English, one for reading, the other for more careful study. No candidate will be accepted in English whose work is notably deficient in



point of spelling, punctuation, idiom, or division into paragraphs. The requirement consists of two parts.

I. *Reading* — A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and be able to answer simple questions on the lives of the authors; he must also show the ability to write a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number — perhaps ten or fifteen — set before him. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may be allowed to present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books.

The books set for this part of the examination will be :

In 1901, 1902, Shakespeare's *The Merchant of Venice*; Pope's *Iliad*, Books i, vi, xxii, xxiv; *The Sir Roger de Coverley Papers* in *The Spectator*; Goldsmith's *The Vicar of Wakefield*; Coleridge's *The Ancient Mariner*; Scott's *Ivanhoe*; Cooper's *The Last of the Mohicans*; Tennyson's *The Princess*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

In 1903, 1904, 1905, Shakespeare's *The Merchant of Venice* and *Julius Caesar*; *The Sir Roger de Coverley Papers* in *The Spectator*; Goldsmith's *The Vicar of Wakefield*; Coleridge's *The Ancient Mariner*; Scott's *Ivanhoe*; Carlyle's *Essay on Burns*; Tennyson's *The Princess*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

II. *Study and Practice*. — This part of the requirement presupposes the thorough study of each of the works named below. The test will be upon subject-matter, form, and structure.

The books set for this part will be :

In 1901, 1902, Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

In 1903, 1904, 1905, Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

**HISTORY (including Historical Geography) —**

- (a) The History of Greece to the death of Alexander, with due reference to Greek life, literature, and art.
- (b) The History of Rome to the accession of Commodus, with due reference to literature and government.
- (c) English History, with due reference to social and political development.
- (d) American History, with the elements of Civil Government.

A candidate may elect any two of the four divisions in History (*a*, *b*, *c*, or *d*).

(a) *Greek History* —

Oman's or Myers' History of Greece.

(b) *Roman History* —

Allen's Short History of the Roman People, and 300 pages additional reading.

(c) *English History* —

*either* Higginson and Channing's English History for Americans, *or* Montgomery's Leading Facts of English History, *or* Gardiner's English History for Schools, each with at least 300 pages additional reading, which may be selected from the following list: Creighton's Age of Elizabeth, Guest's Lectures on English History, Gardiner's Puritan Revolution, Freeman's Short History of the Norman Conquest, Green's Short History of the English People, Ch. i and Ch. vi, Sections iii-vii, Mrs. J. R. Green's Henry II, Macaulay's History of England, Ch. iii.

(d) *American History* —

*either* (1) Channing's Students' History of the United States or Johnston's History of the United States for Schools, each with 200 pages additional reading;

*or* (2) Higginson's Young Folks' History of the United States, through Ch. xvi, and *either* Channing's United States, 1765-1865, *or* Johnston, from beginning of Period V;

*or* (3) Higginson; Lodge's English Colonies, Ch. ii and xxii; Morse's John Quincy Adams, Ch. ii and iii; Josiah Quincy's Figures of the Past.

**MATHEMATICS —**

*Algebra* — The fundamental operations, simple equations with applications to problems involving two or more unknown quantities, the principles of factoring, involution and evolution applied to expressions containing fractional and negative exponents, radicals, including imaginaries and radical equations, quadratic equations, with applications to problems involving two unknown quantities.

*Plane Geometry* — With the use of the metric system in the construction and solution of numerical problems based on the principal theorems.

**LATIN —**

The ability to translate at sight easy Latin prose.

The Latin book edited by Crothers and Bice for medical students, or something equivalent, is recommended for preparation for this examination.

**CHEMISTRY —**

Acquaintance by laboratory work with elementary processes and with the properties of substances common in chemistry; familiarity with the chemical notation in its experimental and arithmetical meaning, including the ability to solve simple problems based on the relations expressed by formulas and equations; understanding and ability to use correctly the ordinary terms of Descriptive Chemistry. Bartlett's Laboratory Exercises, Parts i-v (exclusive of Class i, Part ii), or equivalent. A certified notebook of laboratory work must be presented. The student should have had in addition recitations based upon any good elementary descriptive text-book through the non-metallic and metallic elements.

To meet the above requirement, at least 110 hours of elementary chemistry are necessary, one-half laboratory work, illustrating the preparation and the properties of the substances ordinarily treated in elementary chemistry. Qualitative Analysis will not be accepted as an equivalent for the laboratory work prescribed.

## PHYSICS —

The equivalent of at least one hundred and ten one-hour exercises, of which as many as forty should be practical exercises in the laboratory. The student is expected, in the time devoted to the laboratory work, to perform at least forty experiments, and to have kept a neat and orderly record of the same in a note-book, described in his own words. This note-book should bear the certification of the instructor, and be presented for inspection at the time of the entrance examinations to College.

The student should be taught, as far as possible, to apply the simpler principles of Algebra and Geometry to the solution of practical problems in Physics.

Any one of the following texts or manuals may be recommended for use in secondary schools preparing students for Dartmouth College: Elements of Physics, Carhart and Chute; Elements of Physics, Crew; A Text-Book of Physics, Hall and Bergen; Outlines of Physics, Nichols; Elements of Physics, Gage.

## ZOOLOGY —

The equivalent of fifty one-hour exercises, consisting mainly of laboratory work in the study of the structure and life-histories of representative animals.

The candidate will be required to present a certified note-book, containing complete records of the conditions under which his observations were made, as well as the observations themselves; also sketches of all the animals, or their organs, that have been studied.

No work necessitating the use of a compound microscope is required.

Work like that outlined in Needham's Elementary Lessons in Zoölogy will be acceptable.

## BOTANY —

The equivalent of fifty one-hour exercises in systematic Botany of flowering plants. The candidate will be required to present an herbarium, certified to be the product of his own work, of fifty species, carefully dried, mounted, and labelled.

Gray's Lessons in Botany (revised edition), first 125 pages, or Bergen's Elements of Botany, first 218 pages, with Gray's Manual of Botany (sixth edition) for system of classification.

A certified note-book must be presented with the herbarium, containing descriptions of twenty-five species of plants. For a

good form to follow in the description, see "How to Describe a Flowering Plant," by F. L. Sargent, a small pamphlet that may be obtained from the Cambridge (Mass.) Botanical Supply Company.

The Examinations for admission to the First or entering Class will be held in the English Room (E.), Culver Hall, as follows: —

On Monday, September 9, at 3 P.M., in the Sciences.

On Tuesday, September 10, at 9 A.M., in History.

On Tuesday, September 10, at 3 P.M., in Mathematics.

On Wednesday, September 11, at 9 A.M., in Latin.

On Wednesday, September 11, at 3 P.M., in English.

#### ADMISSION TO THE SECOND CLASS

Students may be admitted without examination to the Second Class who present satisfactory evidence of having passed the examinations of the first year in an accredited Medical School.

#### ADMISSION TO THE THIRD CLASS

Candidates for admission to the Third Class must pass on July 11, 12, and 13, 1901, the examination in Human Anatomy, Physiology, Inorganic and Medical Chemistry, Histology, and Bacteriology already taken by that class.

Such candidates should be in town July 10.

#### ADMISSION TO THE FOURTH CLASS

Candidates for admission to the Fourth Class must pass on July 11, 12, and 13, 1901, the examinations in Human Anatomy, Physiology, Inorganic and Medical Chemistry, Histology, Bacteriology, *Materia Medica*, and Pathology already taken by that class.

Such candidates should be in town July 10.

Students in the Academic department of Dartmouth College, who, at the beginning of their Senior year, matriculate in the Medical Department, are allowed to take examinations during Senior year in the work of the first year of the Medical Department, provided they have taken during their academic course the subjects required in the first year of the medical course.

They will thus be able to earn the two degrees in seven years.

Students desiring to pass from the Academic to the Medical Department of the College must bring the certificate of the President of the College, with his approval of such transfer.

## EXAMINATIONS AND GRADUATION

During the first year of the study of medicine in this school examinations *will be required* in Physics, General Biology, Comparative Anatomy, Chemistry, and Human Anatomy.

At the end of two full years of the study of medicine and two courses of lectures, an examination *will be required* in Systematic Anatomy, Physiology, Medical Chemistry, Histology, and Bacteriology. At the end of three full years of the study of medicine and three courses of lectures, an examination *will be required* in Systematic and Regional Anatomy, Physiology, Materia Medica, and Pathology. The examinations thus taken, if satisfactory, shall stand as final.

The fee for the second examination is five dollars; for the third examination, ten dollars. These sums will be deducted from the examination fee at the final examination.

Certificates of examinations passed at other Colleges are not accepted in place of our own examinations for a degree, except as stated under Requirements for Admission.

Every candidate for the degree of Doctor of Medicine must (1) be more than twenty-one years of age; (2) be of good moral character; (3) have graduated from a registered College or satisfactorily completed a full course in a registered academy or high school; or have had a preliminary education considered and accepted as fully equivalent; (4) have studied medicine (unless matriculated before January 1, 1898), not less than four full school years of at least nine months each, including four satisfactory courses of at least six months each, in four different calendar years, in a medical college registered as maintaining at the time, a satisfactory standard; (5) present evidence that he has dissected all parts of the cadaver; (6) pass a satisfactory written examination in Anatomy, Physiology, Chemistry, Histology, Bacteriology, Pathology, Therapeutics, Surgery, Obstetrics, Materia Medica, Gynecology, and Practice.

Final (oral) examinations before Delegates from the New Hampshire and Vermont Medical Societies will be held on the last Monday of February, 1901.

## EXPENSES

All fees must be paid in full at the opening of the session.

<b>TUITION</b> — Matriculation (paid annually) . . .	\$5.00
For each of the four courses . . .	110.00
<b>Examination Fees</b> (not returnable)	
For the second course . . .	5.00
For the third course . . .	10.00
For the fourth course . . .	10.00
<b>Chemicals and ordinary breakage, First year</b> . . .	5.00
“ “ “ “ Second year . . .	3.00
<b>Bacteriological, Histological, and Pathological Material</b> . . .	3.00
<b>Anatomical material</b> . . .	at cost

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SCHOLARSHIPS

By the gift of one thousand dollars, Mrs. Mary H. Chamberlain of Princeton, New Jersey, has established, in memory of her husband, the William M. Chamberlain scholarship in Dartmouth Medical School. The income of the above-named sum is annually to be loaned to such worthy and indigent medical students as may need its aid toward payment of lecture fees. The loan is to be for four years, without interest. A few other scholarships are available on like terms.

## TEXT-BOOKS

**ANATOMY** — Gray, Gerrish, Quain, Treves.

**HISTOLOGY** — Piersol, Stöhr, Clarkson.

**BACTERIOLOGY** — Sternberg, Williams, McFarland.

**PHYSIOLOGY** — First Year, Martin's Human Body; Second Year, Kirkes (Blakiston's Edition). For reference, Foster, Stewart's Manual, American Text-book of Physiology.

**CHEMISTRY** — Bartlett's Laboratory Exercises, Bartley's Medical, Tyson's or Purdy's Urinary Analysis.

**THERAPEUTICS** — Balliet's Notes, Field's Cathartics and Emetics, Bruce, Wood, Bartholow.

**PRACTICE OF MEDICINE** — Osler, Tyson, Wood and Fitz, Medical Diagnosis, Loomis.

**PATHOLOGY AND PATHOLOGICAL ANATOMY** — Ziegler, Coplin, Stengel.

**SURGERY** — American Text-book of Surgery, Moullin, Park, Walsham, Warren, Gerster.

**OBSTETRICS** — Hirst, Lusk.

**LARYNGOLOGY** — Browne's Diseases of the Throat; Barr, Diseases of the Ear; McBride, Diseases of the Throat, Nose, and Ear; Bishop, Diseases of the Ear, Nose, and Throat.

**DISEASES OF CHILDREN** — Holt, Vogel, Rotch.

**DISEASES OF WOMEN** — Thomas and Mundé, Dudley.

**MEDICAL JURISPRUDENCE** — Taylor.

**DICTIONARY** — Gould, Duane, Dorland.

☞ Those desiring further information may address PROFESSOR GILMAN D. FROST, M.D., Secretary, Hanover, N. H.



## ALUMNI ASSOCIATIONS



## ALUMNI ASSOCIATIONS

### THE GENERAL ASSOCIATION

FOUNDED IN 1854

*President*, HENRY M. BAKER, '63.

*Vice-Presidents*, { JOHN R. EASTMAN, '62.  
THOMAS FLINT, '80.

*Secretary*, FRANK A. SHERMAN, '70, Hanover, N. H.

*Statistical Secretary*, JOHN M. COMSTOCK, '77, Chelsea, Vt.

*Treasurer*, PERLEY R. BUGBEE, '90, Hanover, N. H.

#### *Executive Committee :*

WILDER L. BURNAP, '63 (*Chairman*). GEORGE H. M. ROWE, '64.

ISAAC F. PAUL, '78 (*Secretary*). HOWARD F. HILL, '67.

EDWIN F. JONES, '80. T. W. D. WORTHEN, '72.

WILLIAM H. GARDINER, '76.

#### *Committee on Alumni Trustees :*


EDWARD N. PEARSON, '81 (*Chairman*). JOSEPH A. DEBOER, '84.

EDWIN B. HALE, '65. GEORGE B. FRENCH, '72.

SHERMAN E. BURROUGHS, '94.

The membership includes all graduates of the College, the Thayer School of Civil Engineering, and the Chandler School of Science and the Arts. Others who receive from the College an Honorary Degree, or are elected at an Annual Meeting, shall be honorary members, but without the right of voting.

The Annual Meeting is held in the old chapel in Dartmouth Hall on Tuesday afternoon of Commencement week. The Alumni Dinner occurs on Wednesday, Commencement Day.

 The attention of the Alumni is called to the fact that the Commencement exercises occur on Wednesday instead of Thursday.

By an arrangement with the Trustees of the College, five of their number are elected to their office upon the nomination by ballot of all Alumni of the College of three years' standing, one vacancy occurring in the Board at each Commencement.

Ballot forms, containing the names of five candidates who have been selected by the Nominating Committee for the vacancy, are sent to all Alumni two months before Commencement, and the voting closes at 6 P.M. on Tuesday evening of Commencement week.

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### LOCAL ASSOCIATIONS

#### BOSTON ASSOCIATION, FOUNDED IN 1864

*President*, CHARLES W. BARTLETT, '69.

*Secretary*, GUY W. COX, '93, 73 Tremont St.

Annual Reunion, third Wednesday in January.

#### NEW YORK ASSOCIATION, FOUNDED IN 1866

*President*, WILLIAM N. COHEN, '79.

*Secretary*, JORDAN J. ROLLINS, '92, 32 Nassau St.

Annual Reunion, last Friday in January.

#### CINCINNATI ASSOCIATION, FOUNDED IN 1875

*President*, PARKER DICKSON, '74.

*Secretary*, ALBERT H. MORRILL, '97, City Hall.

Annual Reunion in January.

#### WASHINGTON ASSOCIATION, FOUNDED IN 1876

*President*, REDFIELD PROCTOR, '51.

*Secretary*, WILLIAM M. HATCH, '86, 1622 15th St., N. W.

Annual Reunion in January.

#### CHICAGO ASSOCIATION, FOUNDED IN 1876

*President*, WILLIAM R. PATTERSON, '76.

*Secretary*, JAMES A. TOWNSEND, '94. Care of Charles Scribner Sons.

Annual Reunion in January.

## NORTHWEST ASSOCIATION, FOUNDED IN 1880

*President*, FRANK H. CARLETON, '72.

*Secretary*, CHARLES L. SAWYER, '88, 827 15th Ave., Minneapolis, Minn.

Annual Reunion at Minneapolis in January.

## PACIFIC COAST ASSOCIATION, FOUNDED IN 1881

*President*, THOMAS FLINT, Jr., '80.

*Secretary*, THOMAS A. PERKINS, '90, Crocker Building, San Francisco, Cal.

Annual Reunion, second Thursday in April.

## MANCHESTER (N.H.) ASSOCIATION, FOUNDED IN 1881

*President*, ELIJAH M. TOPLIFF, '52.

*Secretary*, ARTHUR H. HALE, '86.

Annual Reunion, second Tuesday in January.

## CONCORD (N.H.) ASSOCIATION, FOUNDED IN 1891

*President*, CLAUDIUS B. WEBSTER, M.D., '36.

*Secretary*, GEORGE H. MOSES, '90.

Annual Reunion, last Wednesday in January.

CENTRAL AND WESTERN MASSACHUSETTS ASSOCIATION, FOUNDED  
IN 1892

*President*, JOSEPH G. EDGERLY, '67.

*Secretary*, ELMER C. POTTER, '92, 340 Main St., Worcester.

Annual Reunion at Worcester or at Springfield in February.

## VERMONT ASSOCIATION, FOUNDED IN 1893

*President*, WILDER L. BURNAP, '63.

*Secretary*, FRED A. HOWLAND, '87, Montpelier.

Annual Reunion at Montpelier in October.

## "THE GREAT DIVIDE" ASSOCIATION, FOUNDED IN 1895

*President*, EDWARD C. STIMSON, '76.

*Secretary*, FRANK E. GOVE, '88, Denver, Colo.

Annual Reunion at Denver, second Tuesday in January.

## DETROIT ASSOCIATION, FOUNDED IN 1895

*President*, ALFRED RUSSELL, '50.

*Secretary*, WILLIAM S. SAYRES, '76, 163 West Willis Ave.

## ROCKY MOUNTAIN ASSOCIATION, FOUNDED IN 1895

*President*, CLINTON H. MOORE, '74.

*Secretary*, ARTHUR G. LOMBARD, '79, Helena, Mont.

## "OF THE PLAIN" ASSOCIATION, FOUNDED IN 1898

*President*, ARTHUR S. HAZELTON, '81.

*Secretary*, NATHAN BERNSTEIN, '92, 2622 Capitol Ave., Omaha, Neb.

## MEDICAL SCHOOL ASSOCIATION, FOUNDED IN 1886

*President*, GRENVILLE P. CONN, M.D., '56.

*Secretary*, HOWARD N. KINGSFORD, M.D., '98, Hanover, N. H.

Annual Reunion at Concord, N. H., at the time of the meeting of the New Hampshire Medical Society, about June first.

## THE DARTMOUTH CLUB OF BOSTON, FOUNDED IN 1890

*President*, SAMUEL L. POWERS, '74.

*Secretary*, FRANK E. BARNARD, '91, 244 Washington St.

Regular meetings and dinners are held each month during the year, excepting January, July, August, and September. They are held alternately at the University Club, 270 Beacon Street, on the evening of the second Friday of the month, and at some down-town hotel, notice of which is given in advance, on the afternoon of the second Saturday of the month. The Annual Meeting is that held in December.

THE DARTMOUTH CLUB OF THE CITY OF NEW YORK,  
FOUNDED IN 1899

*President*, CHARLES F. MATHEWSON, '82.

*Secretary*, H. HAMILTON GIBSON, '97, 153 Fifth Ave.

Regular meetings and dinners are held on the first Friday of March, June, October, and December. The Annual Meeting is that held in December. The place of meeting is at the rooms of the Aldine Association, 111 Fifth Avenue.

## PUBLICATIONS

All graduates are hereby earnestly requested to forward their publications to the College Librarian for preservation in the Alumni alcove.

The Annual Catalogue, usually issued in December, will be sent to each Alumnus whose correct address is known.

An Obituary Record is published annually at Commencement and will be sent to each Alumnus with the Annual Catalogue in December.

A new General Catalogue, much enlarged, with historic notes and views of buildings, old and new, which was expected the last of June, has been unavoidably delayed, but will be issued in December. This General Catalogue will be sent to any address on the receipt of \$1.00 for paper cover, or for \$1.50 bound in cloth. The order may be sent to Professor C. F. Emerson, Dean, Hanover, N. H.